

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: August 17, 2005, 20:41:50 ; Search time 25 Seconds
(without alignments).
1358.613 Million cell u

Title: US-09-943-664-50

perfect score:

Sequence: 1 MLHPETSPGRGHLAVLLAL.....RNRVYCQFAQEHISRWGP GS 455

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Minimum DB seq length: 2000000000
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

FOBC PROCESSING: Minimum Match 0%
Maximum Match 100%

Listing first 1500 summaries

Database : Issued Patents AA:*

```
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep.*
```

2: /cgn2_6/ptodata/1/1aa/5B_COMB.per:*

3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep.*

```
4: /cgn2_6/ptodata/1/1aa/6B COMB pep:*
```

```
5: /cgn2_6/ptodata/1/1aa/PCTUS COMB.pcp:*
6: /cgn2_6/ptodata/1/1aa/backf11eg1 nen:*
```

6: /cgnz 6/protata/1/1aa/backglttlev1.per:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB	ID	Description	Sequence	50, Appl
1	2529	100.0	455	4	US-09-866-028-50	Sequence 50, Appl	Sequence 50, Appl	
2	2529	100.0	455	4	US-09-944-457-50	Sequence 50, Appl	Sequence 50, Appl	
3	272	10.8	463	4	US-09-907-794A-285	Sequence 285, App	Sequence 285, App	
4	272	10.8	463	4	US-09-905-125A-285	Sequence 285, App	Sequence 285, App	
5	272	10.8	463	4	US-09-902-775A-285	Sequence 285, App	Sequence 285, App	
6	272	10.8	463	4	US-09-906-700-285	Sequence 285, App	Sequence 285, App	
7	272	10.8	463	4	US-09-903-603A-285	Sequence 285, App	Sequence 285, App	
8	272	10.8	463	4	US-09-904-920A-285	Sequence 285, App	Sequence 285, App	
9	272	10.8	463	4	US-09-909-064-285	Sequence 285, App	Sequence 285, App	
10	272	10.8	463	4	US-09-905-381A-285	Sequence 285, App	Sequence 285, App	
11	272	10.8	463	4	US-09-906-618-285	Sequence 285, App	Sequence 285, App	
12	267	10.6	270	2	US-08-773-368-1	Sequence 1, Appl	Sequence 1, Appl	
13	267	10.6	270	3	US-09-199-887-1	Sequence 3, Appl	Sequence 3, Appl	
14	259	9.2	258	4	US-09-698-781-3	Sequence 3, Appl	Sequence 3, Appl	
15	232	9.2	219	2	US-08-773-368-3	Sequence 3, Appl	Sequence 3, Appl	
16	232	9.2	219	3	US-09-199-887-3	Sequence 3, Appl	Sequence 3, Appl	
17	231	9.1	266	3	US-08-773-368-4	Sequence 4, Appl	Sequence 4, Appl	
18	231	9.1	266	3	US-09-199-887-4	Sequence 4, Appl	Sequence 4, Appl	
19	222.5	8.7	257	4	US-09-941-015-7490	Sequence 7490, Ap	Sequence 7490, Ap	
20	221	8.7	243	4	US-09-541-759-7	Sequence 7, Appl	Sequence 7, Appl	
21	213.5	8.4	249	4	US-09-949-016-6025	Sequence 6025, Ap	Sequence 6025, Ap	
22	213.5	8.4	267	4	US-09-949-016-7489	Sequence 7489, Ap	Sequence 7489, Ap	
23	212	8.4	1257	1	US-08-340-428B-49	Sequence 49, Appl	Sequence 49, Appl	
24	196	7.8	2409	6	5180808-2	Patent No. 5180808	Patent No. 5180808	
25	196	7.8	2409	6	5180808-2	Patent No. 5180808	Patent No. 5180808	
26	189.5	7.5	1455	3	US-08-840-062-5	Sequence 5, Appl	Sequence 5, Appl	
27	185	7.3	151	1	US-08-614-935-28	Sequence 28, Appl	Sequence 28, Appl	

101	154.5	6.1	141	2	US-07-857-224B-104	Sequence 104, Appl	174	141	5.6	659	4	US-09-423-753-3	Sequence 3, Appl
102	154.5	6.1	721	3	US-08-981-392-5	Sequence 5, Appl	175	141	5.6	682-5	3	US-08-872-855-2	Sequence 2, Appl
103	154.5	6.1	721	3	US-09-908-322-5	Sequence 5, Appl	176	141	5.6	685	4	US-09-423-753-25	Sequence 25, Appl
104	154	6.1	135	2	US-07-857-224B-103	Sequence 103, Appl	177	141	5.6	685	4	US-09-641-612-7	Sequence 7, Appl
105	154	6.1	713	3	US-08-872-855-5	Sequence 5, Appl	178	141	5.6	1157	4	US-09-949-016-9569	Sequence 9569, Ap
106	153.5	6.1	721	3	US-08-872-855-7	Sequence 7, Appl	179	141	5.6	1219	3	US-08-882-046-5	Sequence 5, Appl
107	153	6.0	138	2	US-07-857-224B-112	Sequence 112, Appl	180	141	5.6	1219	3	US-09-566-047-5	Sequence 5, Appl
108	153	6.0	166	1	US-08-614-935-30	Sequence 30, Appl	181	140.5	5.6	1237	2	US-07-857-224B-111	Sequence 111, Appl
109	153	6.0	166	3	US-09-130-287-30	Sequence 30, Appl	182	140.5	5.6	830	3	US-08-872-855-11	Sequence 11, Appl
110	153	6.0	374	4	US-09-489-847-166	Sequence 166, Appl	183	139.5	5.5	1065	3	US-08-400-159-8	Sequence 8, Appl
111	152.5	6.0	134	4	US-09-621-976-3902	Sequence 3902, Ap	184	138.5	5.5	1148	3	US-08-882-046-4	Sequence 4, Appl
112	151	6.0	260	4	US-09-638-203-3	Sequence 3, Appl	185	138.5	5.5	1148	3	US-09-566-047-4	Sequence 4, Appl
113	150.5	6.0	1193	2	US-08-400-159-10	Sequence 10, Appl	186	138	5.5	202	4	US-10-000-489-62	Sequence 62, Appl
114	150.5	6.0	1193	3	US-08-611-729A-10	Sequence 10, Appl	187	137.5	5.4	272	4	US-09-949-016-9961	Sequence 9961, Ap
115	150.5	6.0	1193	4	US-09-195-524-10	Sequence 10, Appl	188	137.5	5.4	287	3	US-09-111-470-6	Sequence 6, Appl
116	150.5	6.0	2254	4	US-09-949-016-9270	Sequence 9270, Ap	189	137.5	5.4	287	3	US-09-862-802A-6	Sequence 6, Appl
117	150	5.9	2471	1	US-08-185-432-16	Sequence 16, Appl	190	137.5	5.4	454	1	US-07-930-686-10	Sequence 10, Appl
118	150	5.9	2471	1	US-08-083-590A-19	Sequence 19, Appl	191	137.5	5.4	454	2	US-08-460-998-10	Sequence 10, Appl
119	150	5.9	2471	3	US-08-532-384-19	Sequence 19, Appl	192	137.5	5.4	1055	3	US-09-214-278-2	Sequence 2, Appl
120	150	5.9	2471	4	US-08-899-232-1	Sequence 1, Appl	193	137.5	5.4	1055	3	US-09-855-722-2	Sequence 2, Appl
121	150	5.9	2471	4	US-09-121-457-1	Sequence 1, Appl	194	137.5	5.4	1212	4	US-09-214-278-3	Sequence 3, Appl
122	149.5	5.9	382	4	US-09-907-794A-137	Sequence 137, Appl	195	137.5	5.4	1212	4	US-09-855-722-3	Sequence 3, Appl
123	149.5	5.9	382	4	US-09-905-125A-137	Sequence 137, Appl	196	137.5	5.4	1238	3	US-09-214-278-5	Sequence 5, Appl
124	149.5	5.9	382	4	US-09-906-700-137	Sequence 137, Appl	197	137.5	5.4	1238	3	US-09-855-722-5	Sequence 5, Appl
125	149.5	5.9	382	4	US-09-903-603A-137	Sequence 137, Appl	198	137.5	5.4	1257	3	US-08-611-729A-8	Sequence 8, Appl
126	149.5	5.9	382	4	US-09-904-920A-137	Sequence 137, Appl	199	137.5	5.4	1257	3	US-09-195-524-8	Sequence 8, Appl
127	149.5	5.9	382	4	US-09-905-064-137	Sequence 137, Appl	200	137	5.4	253	4	US-09-541-759-2	Sequence 2, Appl
128	149.5	5.9	382	4	US-09-905-381A-137	Sequence 137, Appl	201	136	5.4	139	4	US-09-535-521-11	Sequence 11, Appl
129	149.5	5.9	382	4	US-09-906-618-137	Sequence 137, Appl	202	136	5.4	141	4	US-09-535-521-17	Sequence 17, Appl
130	149.5	5.9	382	4	US-09-906-618-137	Sequence 137, Appl	203	136	5.4	187	4	US-09-535-521-20	Sequence 20, Appl
131	148.5	5.9	129	3	US-08-722-126A-10	Sequence 10, Appl	204	136	5.4	208	4	US-09-535-521-20	Sequence 20, Appl
132	148.5	5.9	129	3	PCT-US95-04258-10	Sequence 10, Appl	205	136	5.4	232	4	US-09-535-521-2	Sequence 2, Appl
133	148	5.9	192	3	US-09-541-759-5	Sequence 5, Appl	206	136	5.4	292	4	US-09-535-521-5	Sequence 5, Appl
134	146.5	5.8	1479	3	US-08-840-062-2	Sequence 2, Appl	207	136	5.4	1479	3	US-08-840-062-4	Sequence 4, Appl
135	146	5.8	1010	3	US-08-882-046-7	Sequence 7, Appl	208	135.5	5.4	114	6	5514582-14	Patent No. 5514582
136	146	5.8	1010	3	US-09-566-047-7	Sequence 7, Appl	209	135.5	5.4	114	6	5514582-14	Patent No. 5514582
137	146	5.8	1036	3	US-09-068-740A-6	Sequence 6, Appl	210	135.5	5.4	833	1	US-08-364-534-6	Sequence 6, Appl
138	146	5.8	1067	4	US-09-579-536C-18	Sequence 18, Appl	211	135.5	5.4	833	1	US-08-083-590A-2	Sequence 2, Appl
139	146	5.8	1187	3	US-09-068-740A-7	Sequence 7, Appl	212	135.5	5.4	833	1	US-08-465-500-6	Sequence 6, Appl
140	146	5.8	1208	4	US-09-199-865-1	Sequence 1, Appl	213	135.5	5.4	833	2	US-08-346-126-6	Sequence 6, Appl
141	146	5.8	1208	4	US-10-213-329-1	Sequence 1, Appl	214	135.5	5.4	833	2	US-08-346-128-6	Sequence 6, Appl
142	146	5.8	1218	2	US-08-400-159-6	Sequence 6, Appl	215	135.5	5.4	833	3	US-08-532-384-2	Sequence 2, Appl
143	146	5.8	1218	3	US-08-611-729A-6	Sequence 6, Appl	216	135.5	5.4	833	3	US-08-893-828-6	Sequence 6, Appl
144	146	5.8	1218	3	US-08-882-046-2	Sequence 2, Appl	217	135	5.3	1525	3	US-09-191-647-2	Sequence 2, Appl
145	146	5.8	1218	3	US-09-214-278-7	Sequence 7, Appl	218	135	5.3	1525	3	US-09-540-245A-2	Sequence 2, Appl
146	146	5.8	1218	3	US-09-068-740A-11	Sequence 11, Appl	219	135	5.3	1525	3	US-09-540-153-2	Sequence 2, Appl
147	146	5.8	1218	4	US-09-855-722-7	Sequence 7, Appl	220	134.5	5.3	704	4	US-09-590-656-2	Sequence 2, Appl
148	146	5.8	1218	4	US-09-566-047-2	Sequence 2, Appl	221	134.5	5.3	704	4	US-09-733-764-2	Sequence 2, Appl
149	146	5.8	1218	4	US-09-917-254-85	Sequence 85, Appl	222	134.5	5.3	977	4	US-09-590-656-1	Sequence 1, Appl
150	146	5.8	1218	4	US-09-195-524-6	Sequence 6, Appl	223	134.5	5.3	977	4	US-09-733-764-1	Sequence 1, Appl
151	146	5.8	1218	4	US-09-579-536C-1	Sequence 1, Appl	224	134.5	5.3	1124	1	US-08-323-474-2	Sequence 2, Appl
152	146	5.8	1218	4	US-09-949-016-5902	Sequence 5902, Ap	225	134.5	5.3	1124	4	US-09-949-016-5946	Sequence 5946, Ap
153	146	5.8	1254	4	US-09-949-016-10297	Sequence 10297, A	226	134.5	5.3	1124	5	PCT-US93-06093-2	Sequence 2, Appl
154	146	5.8	2556	1	US-08-185-432-17	Sequence 17, Appl	227	134.5	5.3	1480	3	US-09-191-647-7	Sequence 7, Appl
155	146	5.8	2556	4	US-08-899-232-2	Sequence 2, Appl	228	134.5	5.3	1480	3	US-09-540-245A-7	Sequence 7, Appl
156	146	5.8	2556	4	US-09-121-457-2	Sequence 2, Appl	229	134.5	5.3	1480	3	US-09-540-153-7	Sequence 7, Appl
157	144.5	5.7	11964	3	US-09-467-997-1	Sequence 1, Appl	230	134.5	5.3	1480	5	PCT-US91-09055-2	Sequence 2, Appl
158	144	5.7	1139	1	US-08-537-210A-4	Sequence 4, Appl	231	133.5	5.3	223	4	US-09-541-759-1	Sequence 1, Appl
159	144	5.7	1139	3	US-08-113-825-4	Sequence 4, Appl	232	133.5	5.3	321	4	US-09-270-767-33762	Sequence 33762, A
160	144	5.7	2556	1	US-08-083-590A-20	Sequence 20, Appl	233	133.5	5.3	321	4	US-09-270-767-48979	Sequence 48979, A
161	144	5.7	2556	3	US-08-532-384-20	Sequence 20, Appl	234	133.5	5.3	321	4	US-09-065-040-8	Sequence 8, Appl
162	143.5	5.7	440	1	US-07-930-686-12	Sequence 12, Appl	235	133.5	5.3	832	3	US-08-981-392-6	Sequence 6, Appl
163	143.5	5.7	440	2	US-08-460-998-12	Sequence 12, Appl	236	133.5	5.3	832	4	US-09-908-322-6	Sequence 6, Appl
164	143.5	5.7	1248	3	US-08-882-046-6	Sequence 6, Appl	237	133	5.3	115	6	5514582-18	Patent No. 5514582
165	143.5	5.7	1248	4	US-09-566-047-6	Sequence 6, Appl	238	133	5.3	115	6	5514582-18	Patent No. 5514582
166	142.5	5.6	1480	3	US-09-182-024A-5	Sequence 5, Appl	239	132.5	5.3	148	4	US-09-949-016-6802	Sequence 6802, Ap
167	142	5.6	203	1	US-08-419-414-8	Sequence 8, Appl	240	132.5	5.2	179	1	US-08-690-095-9	Sequence 9, Appl
168	142	5.6	203	1	US-08-614-935-3	Sequence 3, Appl	241	132.5	5.2	179	1	US-08-650-578-2	Sequence 2, Appl
169	142	5.6	203	3	US-09-130-287-3	Sequence 3, Appl	242	132.5	5.2	179	2	US-08-688-342-3	Sequence 3, Appl
170	141	5.6	202	1	US-08-469-486-56	Sequence 56, Appl	243	132.5	5.2	179	2	US-09-113-788-3	Sequence 3, Appl
171	141	5.6	202	2	US-08-469-558-56	Sequence 56, Appl	244	132.5	5.2	179	3	US-09-113-789-9	Sequence 9, Appl
172	141	5.6	233	4	US-09-216-393B-110	Sequence 110, Appl	245	132.5	5.2	179	4	US-09-919-039-130	Sequence 130, Ap
173	141	5.6	500	4	US-09-423-753-2	Sequence 2, Appl	246	132.5	5.2	179	4	US-09-949-016-6200	Sequence 6200, Ap

247	132.5	5.2	578	3	US-08-981-392-13	Sequence 13, Appl	320	127.5	5.0	1350	4	US-09-893-238-17	Sequence 17, Appl
248	132.5	5.2	578	4	US-09-908-322-13	Sequence 13, Appl	321	127.5	5.0	1429	3	US-09-245-041-130	Sequence 130, App
249	132	5.2	128	4	US-09-535-521-8	Sequence 8, Appl	322	127.5	5.0	1429	4	US-09-358-055B-131	Sequence 131, App
250	131.5	5.2	1101	2	US-08-469-537A-96	Sequence 96, Appl	323	127.5	5.0	2787	3	US-09-245-041-15	Sequence 15, Appl
251	131.5	5.2	2199	4	US-08-793-273C-2	Sequence 2, Appl	324	127.5	5.0	2787	4	US-09-358-055B-15	Sequence 15, Appl
252	131.5	5.2	2199	5	PCT-US95-11684-2	Sequence 2, Appl	325	127.5	5.0	205	1	US-09-893-238-15	Sequence 15, Appl
253	131	5.2	383	1	US-08-597-545-2	Sequence 2, Appl	326	127	5.0	205	1	US-08-450-944-5	Sequence 5, Appl
254	131	5.2	383	1	US-08-457-135-2	Sequence 2, Appl	327	127	5.0	205	1	PCT-US96-07709-5	Sequence 5, Appl
255	131	5.2	721	3	US-09-949-016-11031	Sequence 11031, A	328	127	5.0	220	4	US-09-541-759-3	Sequence 3, Appl
256	131	5.2	1523	3	US-09-182-024A-2	Sequence 2, Appl	329	127	5.0	220	4	US-08-450-944-2	Sequence 2, Appl
257	131	5.2	1529	4	US-09-312-283C-396	Sequence 396, App	330	127	5.0	221	1	PCT-US96-07709-2	Sequence 2, Appl
258	131	5.2	1799	4	US-09-845-583A-6	Sequence 6, Appl	331	127	5.0	221	1	US-09-248-796A-15095	Sequence 15095, A
259	131	5.2	3594	4	US-09-911-842A-4	Sequence 4, Appl	332	126.5	5.0	125	3	US-08-722-126A-7	Sequence 7, Appl
260	131	5.2	3623	4	US-09-341-461-2	Sequence 2, Appl	333	126.5	5.0	125	3	PCT-US95-04258-7	Sequence 7, Appl
261	130.5	5.2	123	4	US-09-535-521-25	Sequence 25, Appl	334	126.5	5.0	287	1	US-08-365-103B-4	Sequence 4, Appl
262	130.5	5.2	1064	3	US-08-537-210A-3	Sequence 3, Appl	335	126.5	5.0	289	4	US-09-862-802A-13	Sequence 13, Appl
263	130.5	5.2	1064	3	US-09-113-825-3	Sequence 3, Appl	336	126.5	5.0	300	1	US-08-365-103B-6	Sequence 6, Appl
264	130.5	5.2	1118	1	US-07-934-393B-2	Sequence 2, Appl	337	126.5	5.0	327	1	US-08-365-103B-2	Sequence 2, Appl
265	130.5	5.2	1118	1	US-08-278-089A-2	Sequence 2, Appl	338	126.5	5.0	1404	2	US-08-400-159-2	Sequence 2, Appl
266	130.5	5.2	1118	1	US-08-838-957A-2	Sequence 2, Appl	339	126.5	5.0	1404	3	US-08-611-729A-2	Sequence 2, Appl
267	130.5	5.2	1122	2	US-08-278-089A-6	Sequence 6, Appl	340	126.5	5.0	1404	4	US-09-195-524-2	Sequence 2, Appl
268	130.5	5.2	1122	2	US-08-838-957A-6	Sequence 6, Appl	341	126.5	5.0	4391	4	US-10-006-011A-2	Sequence 2, Appl
269	130.5	5.2	2200	4	US-09-796-575-2	Sequence 2, Appl	342	126	5.0	219	4	US-09-907-794A-377	Sequence 377, App
270	130	5.1	316	3	US-09-111-470-4	Sequence 4, Appl	343	126	5.0	219	4	US-09-905-125A-377	Sequence 377, App
271	130	5.1	316	4	US-09-862-802A-4	Sequence 4, Appl	344	126	5.0	219	4	US-09-902-775A-377	Sequence 377, App
272	129.5	5.1	125	2	US-07-857-224B-114	Sequence 114, App	345	126	5.0	219	4	US-09-906-700-377	Sequence 377, App
273	129.5	5.1	137	2	US-07-857-224B-110	Sequence 110, App	346	126	5.0	219	4	US-09-903-603A-377	Sequence 377, App
274	129.5	5.1	328	4	US-09-065-040-12	Sequence 12, Appl	347	126	5.0	219	4	US-09-904-920A-377	Sequence 377, App
275	129.5	5.1	379	4	US-09-907-794A-4	Sequence 4, Appl	348	126	5.0	219	4	US-09-909-064-377	Sequence 377, App
276	129.5	5.1	379	4	US-09-905-125A-4	Sequence 4, Appl	349	126	5.0	219	4	US-09-905-381A-377	Sequence 377, App
277	129.5	5.1	379	4	US-09-902-775A-4	Sequence 4, Appl	350	126	5.0	219	4	US-09-906-618-377	Sequence 377, App
278	129.5	5.1	379	4	US-09-906-700-4	Sequence 4, Appl	351	126	5.0	583	4	US-09-641-612-2	Sequence 2, Appl
279	129.5	5.1	379	4	US-09-903-603A-4	Sequence 4, Appl	352	126	5.0	1487	3	US-08-840-062-7	Sequence 7, Appl
280	129.5	5.1	379	4	US-09-904-920A-4	Sequence 4, Appl	353	125	4.9	1463	1	US-08-220-603A-11	Sequence 11, Appl
281	129.5	5.1	379	4	US-09-909-064-4	Sequence 4, Appl	354	124.5	4.9	1138	1	US-08-323-474-8	Sequence 8, Appl
282	129.5	5.1	379	4	US-09-905-381A-4	Sequence 4, Appl	355	124.5	4.9	1138	2	US-08-469-537A-98	Sequence 98, Appl
283	129.5	5.1	379	4	US-09-906-618-4	Sequence 4, Appl	356	124.5	4.9	1138	2	US-08-220-240A-5	Sequence 5, Appl
284	129.5	5.1	385	1	US-08-597-545-1	Sequence 1, Appl	357	124.5	4.9	1150	4	US-09-949-016-7769	Sequence 7769, Ap
285	129.5	5.1	385	1	US-08-457-135-1	Sequence 1, Appl	358	124.5	4.9	4544	1	US-08-469-486-52	Sequence 52, Appl
286	129.5	5.1	385	4	US-09-142-027A-10	Sequence 10, Appl	359	124.5	4.9	4544	2	US-08-469-486-52	Sequence 52, Appl
287	129.5	5.1	1810	4	US-08-793-273C-192	Sequence 4, Appl	360	124	4.9	177	1	US-08-181-271A-46	Sequence 46, Appl
288	129.5	5.1	1810	5	PCT-US95-11684-4	Sequence 4, Appl	361	124	4.9	177	1	US-08-449-315-46	Sequence 46, Appl
289	129	5.1	111	6	5514582-11	Patent No. 5514582	362	124	4.9	177	1	US-08-444-803-46	Sequence 46, Appl
290	129	5.1	111	6	5514582-11	Patent No. 5514582	363	124	4.9	177	1	US-08-449-043-46	Sequence 46, Appl
291	129	5.1	299	3	US-09-188-930-192	Sequence 192, App	364	124	4.9	177	1	US-08-456-265A-46	Sequence 46, Appl
292	129	5.1	299	3	US-09-188-930-332	Sequence 332, App	365	124	4.9	177	1	US-08-455-416-46	Sequence 46, Appl
293	129	5.1	299	4	US-09-312-283C-192	Sequence 192, App	366	124	4.9	177	1	US-08-455-244-46	Sequence 46, Appl
294	129	5.1	299	4	US-09-312-283C-332	Sequence 332, App	367	124	4.9	177	1	US-08-454-876-46	Sequence 46, Appl
295	129	5.1	1135	2	US-08-469-537A-97	Sequence 97, Appl	368	124	4.9	177	2	US-08-457-364-46	Sequence 46, Appl
296	128.5	5.1	114	6	5514582-13	Patent No. 5514582	369	124	4.9	177	2	US-08-456-262-46	Sequence 46, Appl
297	128.5	5.1	114	6	5514582-13	Patent No. 5514582	370	124	4.9	177	2	US-08-456-240-46	Sequence 46, Appl
298	128.5	5.1	220	4	US-09-541-759-4	Sequence 4, Appl	371	124	4.9	177	2	US-08-455-736-46	Sequence 46, Appl
299	128.5	5.1	1576	4	US-09-562-702A-24	Sequence 24, Appl	372	124	4.9	177	2	US-08-971-217-46	Sequence 46, Appl
300	128.5	5.1	1576	4	US-09-561-818A-24	Sequence 24, Appl	373	124	4.9	177	3	US-09-350-600-46	Sequence 46, Appl
301	128.5	5.1	1584	4	US-09-562-702A-28	Sequence 28, Appl	374	124	4.9	177	4	US-09-306-234-46	Sequence 46, Appl
302	128.5	5.1	1609	4	US-09-562-702A-22	Sequence 22, Appl	375	123.5	4.9	114	6	5514582-8	Patent No. 5514582
303	128.5	5.1	1609	4	US-09-561-818A-22	Sequence 22, Appl	376	123.5	4.9	114	6	5514582-8	Patent No. 5514582
304	128.5	5.1	1609	4	US-09-538-092-900	Sequence 900, App	377	123.5	4.9	642	3	US-08-872-855-10	Sequence 10, Appl
305	128.5	5.1	1617	4	US-09-562-702A-26	Sequence 26, App	378	123.5	4.9	1068	1	US-08-537-210A-2	Sequence 2, Appl
306	128.5	5.1	3075	2	US-08-460-309-5	Sequence 5, Appl	379	123.5	4.9	1068	3	US-09-113-825-2	Sequence 2, Appl
307	128.5	5.1	3075	2	US-08-125-077-5	Sequence 5, Appl	380	123.5	4.9	1358	1	US-08-404-665-4	Sequence 4, Appl
308	128.5	5.1	3571	4	US-09-911-842A-2	Sequence 2, Appl	381	123.5	4.9	1358	1	US-08-404-671-4	Sequence 4, Appl
309	128	5.1	1572	4	US-09-562-702A-32	Sequence 32, Appl	382	123.5	4.9	1358	1	US-08-404-781-4	Sequence 4, Appl
310	128	5.1	1572	4	US-09-561-818A-28	Sequence 28, Appl	383	123	4.9	134	2	US-07-857-224B-113	Sequence 113, App
311	128	5.1	1605	4	US-09-562-702A-30	Sequence 30, Appl	384	123	4.9	144	4	US-09-949-016-10685	Sequence 10685, A
312	128	5.1	1605	4	US-09-561-818A-26	Sequence 26, Appl	385	123	4.9	166	4	US-09-949-016-6286	Sequence 6286, Ap
313	127.5	5.0	1193	4	US-09-602-877A-99	Sequence 99, Appl	386	123	4.9	204	5	PCT-US96-07709-33	Sequence 33, Appl
314	127.5	5.0	1193	4	US-09-949-016-10498	Sequence 10498, A	387	123	4.9	220	5	PCT-US96-07709-30	Sequence 30, Appl
315	127.5	5.0	1198	3	US-09-245-041-131	Sequence 131, App	388	123	4.9	248	5	PCT-US96-07709-25	Sequence 25, Appl
316	127.5	5.0	1198	3	US-09-794-236-3	Sequence 3, Appl	389	123	4.9	678	1	US-08-282-141-2	Sequence 2, Appl
317	127.5	5.0	1198	4	US-09-358-055B-132	Sequence 132, App	390	123	4.9	678	1	US-08-435-434-2	Sequence 2, Appl
318	127.5	5.0	1350	3	US-09-245-041-17	Sequence 17, Appl	391	123	4.9	678	1	US-08-435-436-2	Sequence 2, Appl
319	127.5	5.0	1350	4	US-09-358-055B-17	Sequence 17, Appl	392	123	4.9	678	2	US-08-438-863-2	Sequence 2, Appl

393	123	4.9	678	2	US-08-438-864-2	Sequence 2, Appli	466	113.5	4.5	215	1	US-08-312-870-5	Sequence 5, Appli
394	123	4.9	678	3	US-08-438-862-2	Sequence 2, Appli	467	113.5	4.5	446	1	US-08-307-444A-5	Sequence 5, Appli
395	123	4.9	678	3	US-08-628-747-2	Sequence 2, Appli	468	113.5	4.5	446	1	US-08-587-389-5	Sequence 5, Appli
396	123	4.9	678	3	US-08-402-253-2	Sequence 2, Appli	469	113.5	4.5	456	1	US-08-307-444A-3	Sequence 3, Appli
397	123	4.9	678	3	US-08-443-866B-2	Sequence 2, Appli	470	113.5	4.5	456	1	US-08-307-444A-4	Sequence 4, Appli
398	123	4.9	1935	4	US-09-949-816-10403	Sequence 10403, A	471	113.5	4.5	456	1	US-08-587-389-3	Sequence 3, Appli
399	122.5	4.8	329	4	US-09-248-796A-15096	Sequence 15096, A	472	113.5	4.5	456	1	US-08-587-389-4	Sequence 4, Appli
400	122.5	4.8	383	4	US-09-142-027A-12	Sequence 12, Appli	473	113.5	4.5	475	1	US-08-307-444A-1	Sequence 1, Appli
401	122.5	4.8	585	4	US-08-641-612-5	Sequence 5, Appli	474	113.5	4.5	475	1	US-08-307-444A-2	Sequence 2, Appli
402	122.5	4.8	1015	1	US-08-537-210A-1	Sequence 1, Appli	475	113.5	4.5	475	1	US-08-587-389-1	Sequence 1, Appli
403	122.5	4.8	1015	3	US-09-113-825-1	Sequence 1, Appli	476	113.5	4.5	475	1	US-08-587-389-2	Sequence 2, Appli
404	122	4.8	1449	3	US-08-840-082-6	Sequence 6, Appli	477	113.5	4.5	476	1	US-08-014-723-1	Sequence 1, Appli
405	122	4.8	1723	4	US-09-194-612A-31	Sequence 31, Appli	478	113.5	4.5	476	1	US-08-014-723-2	Sequence 2, Appli
406	121.5	4.8	273	3	US-09-111-470-10	Sequence 10, Appli	479	113.5	4.5	476	1	US-08-014-723-18	Sequence 18, Appli
407	121.5	4.8	273	4	US-09-862-802A-10	Sequence 10, Appli	480	113.5	4.5	476	1	US-08-110-011A-1	Sequence 1, Appli
408	121.5	4.8	292	2	US-08-688-342-4	Sequence 4, Appli	481	113.5	4.5	476	1	US-08-110-011A-2	Sequence 2, Appli
409	121.5	4.8	292	2	US-09-113-788-4	Sequence 4, Appli	482	113.5	4.5	476	1	US-08-110-011A-18	Sequence 18, Appli
410	121.5	4.8	292	4	US-09-862-802A-12	Sequence 12, Appli	483	113.5	4.5	494	1	US-08-014-723-14	Sequence 14, Appli
411	121.5	4.8	735	3	US-09-191-647-9	Sequence 9, Appli	484	113.5	4.5	494	1	US-08-014-723-16	Sequence 16, Appli
412	121.5	4.8	735	3	US-09-540-245A-9	Sequence 9, Appli	485	113.5	4.5	494	1	US-08-110-011A-14	Sequence 14, Appli
413	121.5	4.8	735	3	US-09-540-153-9	Sequence 9, Appli	486	113.5	4.5	494	1	US-08-110-011A-16	Sequence 16, Appli
414	121.5	4.8	2871	4	US-09-538-092-1076	Sequence 1076, Ap	487	113.5	4.5	497	1	US-08-312-870-3	Sequence 3, Appli
415	121	4.8	166	2	US-08-729-103-4	Sequence 4, Appli	488	113.5	4.5	497	4	US-09-331-793-4	Sequence 4, Appli
416	121	4.8	174	4	US-09-949-016-10686	Sequence 10686, A	489	113.5	4.5	498	2	US-08-733-564-2	Sequence 2, Appli
417	121	4.8	243	3	US-09-191-647-14	Sequence 14, Appli	490	113.5	4.5	516	4	US-09-509-994-1	Sequence 1, Appli
418	121	4.8	243	3	US-09-540-245A-14	Sequence 14, Appli	491	113.5	4.5	516	4	US-09-509-994-2	Sequence 2, Appli
419	121	4.8	243	3	US-09-540-153-14	Sequence 14, Appli	492	113.5	4.5	575	1	US-08-261-206A-59	Sequence 59, Appli
420	121	4.8	404	3	US-09-517-605-2	Sequence 2, Appli	493	113.5	4.5	575	1	US-08-312-870-1	Sequence 1, Appli
421	120.5	4.8	112	2	US-07-857-224B-109	Sequence 109, App	494	113.5	4.5	575	4	US-09-880-484D-2	Sequence 2, Appli
422	119.5	4.7	114	6	5514582-10	Patent No. 5514582	495	113.5	4.5	575	4	US-10-438-648-2	Sequence 2, Appli
423	119.5	4.7	114	6	5514582-10	Patent No. 5514582	496	113.5	4.5	575	6	5466668-6	Patent No. 5466668
424	119	4.7	196	3	US-08-981-392-35	Sequence 35, Appli	497	113.5	4.5	575	6	5466668-6	Patent No. 5466668
425	119	4.7	196	4	US-09-908-322-35	Sequence 35, Appli	498	113	4.5	276	3	US-08-981-392-43	Sequence 43, Appli
426	118.5	4.7	323	4	US-09-065-040-4	Sequence 4, Appli	499	113	4.5	276	4	US-09-908-322-43	Sequence 43, Appli
427	118.5	4.7	323	4	US-09-949-016-6294	Sequence 6294, Ap	500	113	4.5	376	4	US-09-248-796A-15097	Sequence 15097, A
428	118.5	4.7	1260	3	US-09-245-041-2	Sequence 2, Appli	501	112.5	4.4	110	6	5514582-12	Patent No. 5514582
429	118.5	4.7	1260	4	US-09-358-055B-2	Sequence 2, Appli	502	112.5	4.4	110	6	5514582-12	Patent No. 5514582
430	118.5	4.7	1260	4	US-09-893-238-2	Sequence 2, Appli	503	112.5	4.4	810	2	US-08-820-170A-34	Sequence 34, Appli
431	118.5	4.7	2123	4	US-09-949-016-7517	Sequence 7517, Ap	504	112.5	4.4	810	3	US-09-055-699-34	Sequence 34, Appli
432	118.5	4.7	3070	4	US-09-961-403-7	Sequence 7, Appli	505	112.5	4.4	810	3	US-09-273-565-34	Sequence 34, Appli
433	118.5	4.7	3084	4	US-09-562-702A-12	Sequence 12, Appli	506	112.5	4.4	810	3	US-09-565-538-34	Sequence 34, Appli
434	118.5	4.7	3088	4	US-09-562-702A-8	Sequence 8, Appli	507	112.5	4.4	810	3	US-09-561-468-34	Sequence 34, Appli
435	118.5	4.7	3089	4	US-09-562-702A-4	Sequence 4, Appli	508	112.5	4.4	810	4	US-09-976-165-34	Sequence 34, Appli
436	118.5	4.7	3106	4	US-09-562-702A-10	Sequence 10, Appli	509	112	4.4	165	2	US-08-401-530A-7	Sequence 7, Appli
437	118.5	4.7	3110	4	US-09-562-702A-2	Sequence 2, Appli	510	112	4.4	165	2	US-08-729-103-3	Sequence 3, Appli
438	118.5	4.7	3110	4	US-09-562-702A-6	Sequence 6, Appli	511	112	4.4	165	2	US-08-709-662-7	Sequence 7, Appli
439	118.5	4.7	3110	4	US-09-561-709B-7	Sequence 7, Appli	512	112	4.4	179	4	US-09-148-545-177	Sequence 177, App
440	118.5	4.7	3110	4	US-09-917-254-86	Sequence 86, Appli	513	112	4.4	192	3	US-08-981-392-65	Sequence 65, Appli
441	118.5	4.7	3110	4	US-09-949-016-5937	Sequence 5937, Ap	514	112	4.4	192	4	US-09-908-322-65	Sequence 65, Appli
442	118.5	4.7	3111	2	US-08-460-309-4	Sequence 4, Appli	515	112	4.4	716	4	US-09-312-283C-183	Sequence 183, App
443	118.5	4.7	3111	2	US-08-125-077-4	Sequence 4, Appli	516	112	4.4	771	3	US-09-188-930-183	Sequence 183, App
444	117.5	4.6	652	2	US-08-751-305-2	Sequence 2, Appli	517	111.5	4.4	3647	4	US-09-949-016-10932	Sequence 10932, A
445	117	4.6	214	4	US-09-257-583-15	Sequence 15, Appli	518	111	4.4	816	2	US-08-820-170A-37	Sequence 37, Appli
446	116.5	4.6	994	4	US-10-164-595-38	Sequence 38, Appli	519	111	4.4	816	3	US-09-055-699-37	Sequence 37, Appli
447	116.5	4.6	1854	4	US-09-949-016-11625	Sequence 11625, A	520	111	4.4	816	3	US-09-273-565-37	Sequence 37, Appli
448	116	4.6	174	1	US-07-641-971B-1	Sequence 1, Appli	521	111	4.4	816	3	US-09-565-538-37	Sequence 37, Appli
449	116	4.6	174	1	US-07-781-248A-1	Sequence 1, Appli	522	111	4.4	816	3	US-09-661-468-37	Sequence 37, Appli
450	116	4.6	320	1	US-08-365-103B-10	Sequence 10, Appli	523	111	4.4	816	4	US-09-976-165-37	Sequence 37, Appli
451	116	4.6	321	1	US-08-365-103B-8	Sequence 8, Appli	524	110.5	4.4	158	2	US-08-729-103-1	Sequence 1, Appli
452	115.5	4.6	131	2	US-08-650-598-3	Sequence 3, Appli	525	110.5	4.4	158	2	US-08-468-413-2	Sequence 2, Appli
453	115.5	4.6	647	4	US-09-949-016-10272	Sequence 10272, A	526	110.5	4.4	158	3	US-09-162-508-2	Sequence 2, Appli
454	115	4.5	1722	4	US-09-194-612A-1	Sequence 1, Appli	527	110.5	4.4	158	5	PCT-US95-07169-2	Sequence 2, Appli
455	114.5	4.5	1326	4	US-09-949-016-6806	Sequence 6806, Ap	528	110	4.3	157	3	US-08-981-392-68	Sequence 68, Appli
456	114.5	4.5	1339	4	US-09-949-016-10448	Sequence 10448, A	529	110	4.3	157	4	US-09-908-322-68	Sequence 68, Appli
457	114.5	4.5	1478	4	US-09-949-016-8315	Sequence 8315, Ap	530	110	4.3	375	4	US-09-600-932-29	Sequence 29, Appli
458	114	4.5	593	1	US-07-668-648-4	Sequence 4, Appli	531	110	4.3	360	4	US-09-205-258-441	Sequence 441, App
459	114	4.5	593	2	US-08-429-998-4	Sequence 4, Appli	532	110	4.3	1171	1	US-08-445-135-1	Sequence 1, Appli
460	114	4.5	593	5	US-08-431-333-4	Sequence 4, Appli	533	110	4.3	1798	4	US-09-561-709B-11	Sequence 11, Appli
461	114	4.5	613	4	PCT-US91-02321-4	Sequence 4, Appli	534	109.5	4.3	248	4	US-09-600-932-28	Sequence 28, Appli
462	114	4.5	613	4	US-09-949-016-9775	Sequence 9775, Ap	535	109.5	4.3	248	4	US-09-949-016-6612	Sequence 6612, Ap
463	114	4.5	799	1	US-08-054-077C-2	Sequence 2, Appli	536	109.5	4.3	251	4	US-09-949-016-8481	Sequence 8481, Ap
464	114	4.5	1587	4	US-09-845-583A-10	Sequence 10, Appli	537	109.5	4.3	251	4	US-09-949-016-9058	Sequence 9058, Ap
465	114	4.5	1587	4	US-09-561-709B-3	Sequence 3, Appli	538	109.5	4.3	259	4	US-09-949-016-9059	Sequence 9059, Ap

539	109.5	4.3	2211	3	US-09-738-884-1	Sequence 1, Appli	612	104	4.1	194	4	US-09-312-283C-335	Sequence 335, App
540	109.5	4.3	2211	3	US-10-096-961A-1	Sequence 1, Appli	613	104	4.1	460	6	5270178-16	Patent No. 5270178
541	109	4.3	593	3	US-08-991-862-17	Sequence 17, Appl	614	104	4.1	460	6	5270178-16	Patent No. 5270178
542	109	4.3	593	4	US-09-613-156-17	Sequence 17, Appl	615	104	4.1	463	2	US-08-162-402B-9	Sequence 9, Appli
543	109	4.3	593	4	US-09-456-886-17	Sequence 17, Appl	616	104	4.1	908	4	US-08-714-741-44	Sequence 44, Appl
544	109	4.3	593	4	US-09-824-647-17	Sequence 17, Appl	617	104	4.1	1725	4	US-09-560-385A-10	Sequence 10, Appl
545	109	4.3	784	4	US-09-949-016-9467	Sequence 9467, Ap	618	103.5	4.1	768	1	US-08-454-455-4	Sequence 4, Appli
546	109	4.3	3460	3	US-09-334-220-1	Sequence 1, Appli	619	103.5	4.1	1111	1	US-08-317-450B-15	Sequence 15, Appl
547	108.5	4.3	485	4	US-09-949-016-10882	Sequence 10882, A	620	103.5	4.1	1111	3	US-08-800-593-15	Sequence 15, Appl
548	108.5	4.3	700	4	US-08-933-711B-5	Sequence 5, Appli	621	103.5	4.1	1172	4	US-09-560-385A-28	Sequence 28, Appl
549	108	4.3	495	4	US-10-006-011A-4	Sequence 4, Appli	622	103.5	4.1	1172	4	US-09-560-385A-32	Sequence 32, Appl
550	108	4.3	705	4	US-10-006-011A-3	Sequence 3, Appli	623	103.5	4.1	1193	1	US-08-317-450B-13	Sequence 13, Appl
551	107.5	4.3	178	4	US-09-706-722A-7	Sequence 7, Appli	624	103.5	4.1	1193	3	US-08-800-593-13	Sequence 13, Appl
552	107.5	4.3	577	2	US-07-728-215-29	Sequence 29, Appl	625	103.5	4.1	1193	4	US-09-560-385A-26	Sequence 26, Appl
553	107.5	4.3	577	3	US-08-938-085A-29	Sequence 29, Appl	626	103.5	4.1	1193	4	US-09-560-385A-30	Sequence 30, Appl
554	107.5	4.3	577	4	US-10-072-844-29	Sequence 29, Appl	627	103	4.1	122	3	US-08-723-126A-9	Sequence 9, Appli
555	107.5	4.3	577	4	US-10-072-838-29	Sequence 29, Appl	628	103	4.1	122	5	PCT-US95-04258-9	Sequence 9, Appli
556	107.5	4.3	577	4	US-10-072-841A-29	Sequence 29, Appl	629	103	4.1	122	5	US-09-248-796A-15094	Sequence 15094, A
557	107.5	4.3	577	4	US-10-219-631A-29	Sequence 29, Appl	630	103	4.1	139	4	US-09-482-273-159	Sequence 159, App
558	107.5	4.3	757	4	US-09-949-016-6963	Sequence 6963, Ap	631	103	4.1	614	4	US-09-949-016-8536	Sequence 8536, Ap
559	107.5	4.3	758	4	US-09-949-016-8087	Sequence 8087, Ap	632	103	4.1	638	4	US-09-482-273-245	Sequence 245, App
560	107.5	4.3	769	2	US-08-789-078-1	Sequence 1, Appli	633	103	4.1	788	2	US-07-728-215-27	Sequence 27, Appl
561	107.5	4.3	769	2	US-08-752-633-1	Sequence 1, Appli	634	103	4.1	788	3	US-08-938-085A-27	Sequence 27, Appl
562	107.5	4.3	769	2	US-08-476-062A-45	Sequence 45, Appl	635	103	4.1	788	4	US-10-072-844-27	Sequence 27, Appl
563	107.5	4.3	769	2	US-07-728-215-31	Sequence 31, Appl	636	103	4.1	788	4	US-10-072-838-27	Sequence 27, Appl
564	107.5	4.3	769	3	US-08-938-085A-31	Sequence 31, Appl	637	103	4.1	788	4	US-10-072-841A-27	Sequence 27, Appl
565	107.5	4.3	769	4	US-10-072-844-31	Sequence 31, Appl	638	103	4.1	788	4	US-10-219-631A-27	Sequence 27, Appl
566	107.5	4.3	769	4	US-10-072-838-31	Sequence 31, Appl	639	103	4.1	794	4	US-09-949-016-10746	Sequence 10746, A
567	107.5	4.3	769	4	US-10-072-841A-31	Sequence 31, Appl	640	103	4.1	1147	1	US-08-144-121-3	Sequence 3, Appli
568	107.5	4.3	769	4	US-10-219-631A-31	Sequence 31, Appl	641	103	4.1	1147	2	US-08-735-893-3	Sequence 3, Appli
569	107.5	4.3	769	5	PCT-US95-04886-1	Sequence 1, Appli	642	103	4.1	1165	1	US-08-144-121-2	Sequence 2, Appli
570	107.5	4.3	769	5	PCT-US96-01314-45	Sequence 45, Appl	643	103	4.1	1165	2	US-08-735-893-2	Sequence 2, Appli
571	107	4.2	718	1	US-08-444-792-4	Sequence 4, Appli	644	102.5	4.1	351	3	US-09-245-041-11	Sequence 11, Appl
572	107	4.2	718	1	US-08-445-042-4	Sequence 4, Appli	645	102.5	4.1	351	4	US-09-358-055B-11	Sequence 11, Appl
573	107	4.2	788	2	US-07-728-215-32	Sequence 32, Appl	646	102.5	4.1	351	4	US-03-893-238-11	Sequence 11, Appl
574	107	4.2	788	3	US-08-938-085A-32	Sequence 32, Appl	647	102.5	4.1	409	3	US-09-065-872-2	Sequence 2, Appli
575	107	4.2	788	3	US-09-409-648-3	Sequence 3, Appli	648	102.5	4.1	409	3	US-09-667-570A-2	Sequence 2, Appli
576	107	4.2	788	3	US-09-409-648-4	Sequence 4, Appli	649	102.5	4.1	410	3	US-09-065-872-1	Sequence 1, Appli
577	107	4.2	788	4	US-10-072-844-32	Sequence 32, Appl	650	102.5	4.1	410	4	US-09-667-570A-1	Sequence 1, Appli
578	107	4.2	788	4	US-10-072-838-32	Sequence 32, Appl	651	102.5	4.1	419	1	US-08-295-411-1	Sequence 1, Appli
579	107	4.2	788	4	US-10-072-841A-32	Sequence 32, Appl	652	102.5	4.1	419	2	US-08-955-471-1	Sequence 1, Appli
580	107	4.2	788	4	US-09-054-272-8	Sequence 8, Appli	653	102.5	4.1	419	2	US-08-667-570A-3	Sequence 3, Appli
581	107	4.2	788	4	US-09-054-272-44	Sequence 44, Appl	654	102.5	4.1	419	4	US-10-182-263-1	Sequence 1, Appli
582	107	4.2	788	4	US-10-219-631A-32	Sequence 32, Appl	655	102.5	4.1	419	4	US-10-182-263-3	Sequence 3, Appli
583	107	4.2	788	4	US-09-949-016-5901	Sequence 5901, Ap	656	102.5	4.1	419	4	US-10-182-263-4	Sequence 4, Appli
584	106.5	4.2	157	3	US-08-872-855-6	Sequence 6, Appli	657	102.5	4.1	419	4	US-10-182-263-5	Sequence 5, Appli
585	106.5	4.2	655	1	US-08-148-910-12	Sequence 12, Appl	658	102.5	4.1	419	4	US-10-182-263-6	Sequence 6, Appli
586	106.5	4.2	655	1	US-08-448-937A-12	Sequence 12, Appl	659	102.5	4.1	419	5	PCT-US92-10242-1	Sequence 1, Appli
587	106.5	4.2	700	4	US-08-933-711B-6	Sequence 6, Appli	660	102.5	4.1	460	2	US-08-756-506-2	Sequence 2, Appli
588	106.5	4.2	999	4	US-09-747-371-2	Sequence 2, Appli	661	102.5	4.1	460	2	US-08-756-506-4	Sequence 4, Appli
589	106	4.2	72	1	US-08-450-944-7	Sequence 7, Appli	662	102.5	4.1	460	6	5270178-13	Patent No. 5270178
590	106	4.2	72	5	PCT-US96-07709-7	Sequence 7, Appli	663	102.5	4.1	460	6	5270178-14	Patent No. 5270178
591	106	4.2	160	3	US-09-191-647-5	Sequence 5, Appli	664	102.5	4.1	460	6	5270178-15	Patent No. 5270178
592	106	4.2	160	3	US-09-540-245A-5	Sequence 5, Appli	665	102.5	4.1	460	6	5270178-13	Patent No. 5270178
593	106	4.2	160	3	US-09-540-153-5	Sequence 5, Appli	666	102.5	4.1	460	6	5270178-14	Patent No. 5270178
594	106	4.2	492	3	US-09-724-864-39	Sequence 39, Appl	667	102.5	4.1	460	6	5270178-15	Patent No. 5270178
595	106	4.2	1761	4	US-09-561-709B-1	Sequence 1, Appli	668	102.5	4.1	461	4	US-10-182-263-2	Sequence 2, Appli
596	105.5	4.2	238	4	US-08-450-482B-117	Sequence 117, App	669	102.5	4.1	461	4	US-09-054-272-32	Sequence 32, Appl
597	105.5	4.2	575	1	US-08-170-290A-54	Sequence 54, Appl	670	102.5	4.1	461	4	US-09-949-016-5921	Sequence 5921, Ap
598	105.5	4.2	3635	4	US-09-845-583A-2	Sequence 2, Appli	671	102.5	4.1	461	6	5225537-2	Patent No. 5225537
599	105	4.2	197	4	US-09-370-838-206	Sequence 206, App	672	102.5	4.1	461	6	5270178-2	Patent No. 5270178
600	105	4.2	197	4	US-09-854-133-206	Sequence 206, App	673	102.5	4.1	461	6	5270178-17	Patent No. 5270178
601	105	4.2	227	4	US-08-450-482B-125	Sequence 125, App	674	102.5	4.1	461	6	5270178-18	Patent No. 5270178
602	105	4.2	229	4	US-08-450-482B-127	Sequence 127, App	675	102.5	4.1	461	6	5460953-3	Patent No. 5460953
603	105	4.2	961	4	PCT-US93-11725-4	Sequence 4, Appli	676	102.5	4.1	461	6	5225537-2	Patent No. 5225537
604	105	4.2	961	5	PCT-US93-11725-4	Sequence 5, Appli	677	102.5	4.1	461	6	5270178-2	Patent No. 5270178
605	104.5	4.1	238	3	US-09-111-470-8	Sequence 8, Appli	678	102.5	4.1	461	6	5270178-17	Patent No. 5270178
606	104.5	4.1	238	4	US-09-862-802A-8	Sequence 8, Appli	679	102.5	4.1	461	6	5270178-18	Patent No. 5270178
607	104.5	4.1	1656	4	US-09-949-016-7247	Sequence 7247, Ap	680	102.5	4.1	461	6	5460953-3	Patent No. 5460953
608	104.5	4.1	1798	4	US-09-845-583A-8	Sequence 8, Appli	681	102.5	4.1	798	2	US-07-728-215-30	Sequence 30, Appl
609	104.5	4.1	1798	4	US-09-917-254-87	Sequence 87, Appl	682	102.5	4.1	798	3	US-08-938-085A-30	Sequence 30, Appl
610	104.5	4.1	1821	4	US-09-949-016-5938	Sequence 5938, Ap	683	102.5	4.1	798	4	US-10-072-844-30	Sequence 30, Appl
611	104	4.1	194	3	US-09-188-930-335	Sequence 335, App	684	102.5	4.1	798	4	US-10-072-838-30	Sequence 30, Appl

685	102.5	4.1	798	4	US-10-072-841A-30	Sequence 30, Appl	758	99	3.9	80	3	US-09-051-624A-2	Sequence 2, Appl
686	102.5	4.1	798	4	US-10-219-631A-30	Sequence 30, Appl	759	99	3.9	120	1	US-08-274-661B-37	Sequence 37, Appl
687	102.5	4.1	798	4	US-09-949-016-6193	Sequence 6193, Ap	760	99	3.9	177	2	US-08-465-794-17	Sequence 17, Appl
688	102.5	4.1	2732	4	US-09-086-436-30	Sequence 30, Appl	761	99	3.9	177	3	US-09-049-813-17	Sequence 17, Appl
689	102	4.0	156	4	US-09-257-583-7	Sequence 7, Appl	762	99	3.9	199	5	PCT-US93-10418-4	Sequence 4, Appl
690	102	4.0	572	6	5256770-7	Patent No. 5256770	763	99	3.9	228	4	US-09-270-767-43579	Sequence 43579, A
691	102	4.0	572	6	5256770-7	Patent No. 5256770	764	99	3.9	321	4	US-09-270-767-45035	Sequence 45035, A
692	102	4.0	790	4	US-09-949-016-7017	Sequence 7017, Ap	765	99	3.9	610	1	US-08-365-470-3	Sequence 3, Appl
693	102	4.0	790	4	US-09-949-016-8169	Sequence 8169, Ap	766	99	3.9	610	1	US-09-209-668-19	Sequence 19, Appl
694	102	4.0	790	4	US-09-949-016-8170	Sequence 8170, Ap	767	99	3.9	610	3	US-09-009-490A-89	Sequence 89, Appl
695	102	4.0	1417	3	US-08-900-230-3	Sequence 3, Appl	768	99	3.9	610	4	US-09-949-016-5942	Sequence 5942, Ap
696	102	4.0	5405	3	US-08-718-388-9	Sequence 9, Appl	769	99	3.9	610	6	5217870-2	Patent No. 5217870
697	101.5	4.0	448	2	US-08-884-072-1	Sequence 1, Appl	770	99	3.9	610	6	5217870-2	Patent No. 5217870
698	101.5	4.0	448	2	US-09-212-168-1	Sequence 1, Appl	771	99	3.9	696	4	US-08-933-711B-7	Sequence 7, Appl
699	101.5	4.0	448	4	US-09-409-096-4	Sequence 4, Appl	772	99	3.9	965	3	US-09-538-092-650	Sequence 650, App
700	101.5	4.0	504	4	US-09-949-016-7403	Sequence 7403, Ap	773	99	3.9	4302	3	US-08-558-136-5	Sequence 5, Appl
701	101.5	4.0	663	4	US-08-933-711B-16	Sequence 16, Appl	774	98.5	3.9	78	1	US-08-264-534-2	Sequence 2, Appl
702	101	4.0	320	3	US-09-183-861-22	Sequence 22, Appl	775	98.5	3.9	78	1	US-08-083-590A-15	Sequence 15, Appl
703	101	4.0	320	3	US-09-183-861-55	Sequence 55, Appl	776	98.5	3.9	78	1	US-08-465-500-2	Sequence 2, Appl
704	101	4.0	320	3	US-09-022-765-22	Sequence 22, Appl	777	98.5	3.9	78	2	US-08-346-126-2	Sequence 2, Appl
705	101	4.0	320	3	US-09-022-765-55	Sequence 55, Appl	778	98.5	3.9	78	2	US-08-346-128-2	Sequence 2, Appl
706	101	4.0	320	4	US-09-551-974A-22	Sequence 22, Appl	779	98.5	3.9	78	3	US-08-532-384-15	Sequence 15, Appl
707	101	4.0	320	4	US-09-551-974A-55	Sequence 55, Appl	780	98.5	3.9	78	3	US-08-593-828-2	Sequence 2, Appl
708	101	4.0	320	4	US-09-565-501A-22	Sequence 22, Appl	781	98.5	3.9	174	2	US-08-401-530A-6	Sequence 6, Appl
709	101	4.0	320	4	US-09-565-501A-55	Sequence 55, Appl	782	98.5	3.9	174	2	US-08-709-662-6	Sequence 6, Appl
710	101	4.0	320	4	US-09-639-206A-22	Sequence 22, Appl	783	98.5	3.9	234	3	US-09-040-483-5	Sequence 5, Appl
711	101	4.0	320	4	US-09-639-206A-55	Sequence 55, Appl	784	98.5	3.9	234	4	US-08-740-036-5	Sequence 5, Appl
712	101	4.0	320	4	US-09-874-923-22	Sequence 22, Appl	785	98.5	3.9	234	2	US-08-460-309-19	Sequence 19, Appl
713	101	4.0	320	4	US-09-874-923-55	Sequence 55, Appl	786	98.5	3.9	314	2	US-08-125-077-19	Sequence 19, Appl
714	101	4.0	320	4	US-08-798-841-22	Sequence 22, Appl	787	98.5	3.9	325	4	US-09-949-016-11467	Sequence 11467, A
715	101	4.0	673	1	US-08-282-141-3	Sequence 3, Appl	788	98.5	3.9	325	4	US-09-949-016-11468	Sequence 11468, A
716	101	4.0	673	1	US-08-435-436-1	Sequence 1, Appl	789	98.5	3.9	352	4	US-09-949-016-8273	Sequence 8273, Ap
717	101	4.0	673	1	US-08-435-436-1	Sequence 1, Appl	790	98.5	3.9	352	4	US-09-949-016-8274	Sequence 8274, Ap
718	101	4.0	673	2	US-08-438-863-1	Sequence 1, Appl	791	98.5	3.9	353	4	US-09-482-273-243	Sequence 243, App
719	101	4.0	673	2	US-08-438-864-1	Sequence 1, Appl	792	98.5	3.9	387	2	US-08-884-072-5	Sequence 5, Appl
720	101	4.0	673	3	US-08-438-862-1	Sequence 1, Appl	793	98.5	3.9	387	2	US-08-833-963C-9	Sequence 9, Appl
721	101	4.0	673	3	US-08-628-747-1	Sequence 1, Appl	794	98.5	3.9	387	3	US-08-980-514-3	Sequence 3, Appl
722	101	4.0	673	3	US-08-402-253-1	Sequence 1, Appl	795	98.5	3.9	387	3	US-09-212-168-5	Sequence 5, Appl
723	101	4.0	673	3	US-08-443-866B-1	Sequence 1, Appl	796	98.5	3.9	387	4	US-09-409-096-2	Sequence 2, Appl
724	101	4.0	676	3	US-08-630-172-10	Sequence 10, Appl	797	98.5	3.9	433	4	US-09-322-357-1	Sequence 1, Appl
725	101	4.0	676	3	US-09-375-419-10	Sequence 10, Appl	798	98.5	3.9	857	2	US-08-659-251-2	Sequence 2, Appl
726	101	4.0	709	4	US-09-874-923-121	Sequence 121, App	799	98.5	3.9	857	3	US-09-256-490-2	Sequence 2, Appl
727	101	4.0	781	4	US-09-949-016-6959	Sequence 6959, Ap	800	98.5	3.9	857	5	PCT-US96-11445-2	Patent No. 5514582
728	101	4.0	970	4	US-09-949-016-10131	Sequence 10131, A	801	98	3.9	117	6	5514582-15	Patent No. 5514582
729	101	4.0	1106	4	US-09-949-016-9626	Sequence 9626, Ap	802	98	3.9	117	6	5514582-15	Patent No. 5514582
730	101	4.0	4302	3	US-09-052-469-8	Sequence 8, Appl	803	98	3.9	448	4	US-09-949-016-10130	Sequence 10130, A
731	101	4.0	4302	4	US-08-422-582-8	Sequence 8, Appl	804	97.5	3.9	277	4	US-09-600-932-2	Sequence 2, Appl
732	101	4.0	4302	4	US-09-052-262-8	Sequence 8, Appl	805	97.5	3.9	638	2	US-08-897-443-1	Sequence 1, Appl
733	101	4.0	4303	2	US-08-460-751-2	Sequence 2, Appl	806	97.5	3.9	677	4	US-09-949-016-11369	Sequence 11369, A
734	101	4.0	4303	4	US-09-479-467A-2	Sequence 2, Appl	807	97.5	3.9	677	4	US-09-949-016-11370	Sequence 11370, A
735	101	4.0	4339	3	US-09-052-469-6	Sequence 6, Appl	808	97.5	3.9	677	4	US-09-949-016-11371	Sequence 11371, A
736	101	4.0	4339	4	US-08-422-582-6	Sequence 6, Appl	809	97.5	3.9	677	4	US-09-949-016-11372	Sequence 11372, A
737	101	4.0	4339	4	US-09-052-262-6	Sequence 6, Appl	810	97.5	3.9	963	4	US-09-949-016-11519	Sequence 11519, A
738	100.5	4.0	1461	4	US-10-142-231-86	Sequence 86, Appl	811	97.5	3.9	963	4	US-09-949-016-11520	Sequence 11520, A
739	100	4.0	243	2	US-08-460-309-15	Sequence 15, Appl	812	97.5	3.9	1073	4	US-09-949-016-9771	Sequence 9771, Ap
740	100	4.0	243	2	US-08-125-077-15	Sequence 15, Appl	813	97.5	3.9	2088	4	US-09-548-372D-13	Sequence 13, Appl
741	100	4.0	243	3	US-08-772-440-2	Sequence 2, Appl	814	97.5	3.9	2088	4	US-09-548-367D-13	Sequence 13, Appl
742	100	4.0	592	4	US-08-933-711B-18	Sequence 18, Appl	815	97.5	3.9	2088	4	US-09-551-853D-13	Sequence 13, Appl
743	100	4.0	871	3	US-09-245-041-19	Sequence 19, Appl	816	97.5	3.9	2088	4	US-09-548-376D-13	Sequence 13, Appl
744	100	4.0	871	4	US-09-358-055B-19	Sequence 19, Appl	817	97.5	3.9	2088	4	US-09-548-373D-13	Sequence 13, Appl
745	100	4.0	871	4	US-09-893-238-19	Sequence 19, Appl	818	97.5	3.9	2088	4	US-09-548-366F-13	Sequence 13, Appl
746	100	4.0	1694	4	US-09-560-385A-12	Sequence 12, Appl	819	97.5	3.9	2088	4	US-09-548-368D-13	Sequence 13, Appl
747	99.5	3.9	154	3	US-09-191-647-10	Sequence 10, Appl	820	97	3.8	110	6	5514582-9	Patent No. 5514582
748	99.5	3.9	154	3	US-09-540-245A-10	Sequence 10, Appl	821	97	3.8	110	6	5514582-9	Patent No. 5514582
749	99.5	3.9	154	3	US-09-540-153-10	Sequence 10, Appl	822	97	3.8	110	6	5514582-9	Patent No. 5514582
750	99.5	3.9	238	4	US-09-004-730A-112	Sequence 112, App	823	97	3.8	155	4	US-09-898-554-18	Sequence 18, Appl
751	99.5	3.9	238	4	US-08-981-799A-112	Sequence 112, App	824	97	3.8	201	4	US-09-898-554-16	Sequence 16, Appl
752	99.5	3.9	242	4	US-09-004-730A-119	Sequence 119, App	825	97	3.8	363	4	US-09-898-554-20	Sequence 20, Appl
753	99.5	3.9	242	4	US-08-981-799A-119	Sequence 119, App	826	97	3.8	787	4	US-10-000-489-70	Sequence 70, Appl
754	99.5	3.9	264	4	US-08-004-730A-115	Sequence 115, App	827	97	3.8	799	2	US-08-525-940-23	Sequence 23, Appl
755	99.5	3.9	264	4	US-08-981-799A-115	Sequence 115, App	828	97	3.8	881	2	US-08-525-940-21	Sequence 21, Appl
756	99.5	3.9	2476	2	US-08-276-967-2	Sequence 2, Appl	829	97	3.8	881	2	US-08-976-838-21	Sequence 21, Appl
757	99	3.9	80	3	US-08-663-191A-3	Sequence 3, Appl	830	97	3.8	915	2	US-08-525-940-18	Sequence 18, Appl

831	97	3.8	915	2	US-08-976-838-18	Sequence 18, Appl	904	95.5	3.8	846	4	US-10-072-838-33	Sequence 33, Appl
832	97	3.8	915	3	US-09-214-555B-2	Sequence 7, Appli	905	95.5	3.8	846	4	US-10-072-841A-33	Sequence 33, Appl
833	97	3.8	915	3	US-09-214-555B-7	Sequence 2, Appli	906	95.5	3.8	846	4	US-10-219-631A-33	Sequence 33, Appl
834	97	3.8	1436	4	US-09-578-063-78	Sequence 78, Appl	907	95.5	3.8	910	4	US-09-902-540-10793	Sequence 10793, A
835	97	3.8	1586	4	US-09-060-299-44	Sequence 44, Appl	908	95.5	3.8	956	4	US-09-949-016-6215	Sequence 6215, Ap
836	97	3.8	1586	4	US-09-402-923A-44	Sequence 44, Appl	909	95.5	3.8	1049	4	US-09-538-092-72	Sequence 72, Appl
837	97	3.8	1614	4	US-09-060-299-42	Sequence 42, Appl	910	95.5	3.8	2594	3	US-08-718-388-7	Sequence 7, Appli
838	97	3.8	1614	4	US-09-402-923A-42	Sequence 42, Appl	911	95.5	3.8	5179	3	US-08-538-092-1258	Sequence 1258, Ap
839	97	3.8	1882	3	US-09-369-364A-13	Sequence 13, Appl	912	95	3.8	198	4	US-09-902-540-15333	Sequence 15333, A
840	96.5	3.8	247	4	US-09-270-767-45893	Sequence 45893, A	913	95	3.8	241	2	US-08-460-309-17	Sequence 17, Appl
841	96.5	3.8	291	2	US-08-688-342-5	Sequence 5, Appli	914	95	3.8	241	2	US-08-123-077-17	Sequence 17, Appl
842	96.5	3.8	291	2	US-09-111-788-5	Sequence 5, Appli	915	95	3.8	350	2	US-08-999-811-4	Sequence 4, Appli
843	96.5	3.8	291	3	US-09-111-470-5	Sequence 5, Appli	916	95	3.8	350	2	US-08-824-996-2	Sequence 2, Appli
844	96.5	3.8	291	4	US-09-862-802A-5	Sequence 5, Appli	917	95	3.8	350	3	US-09-042-105-4	Sequence 4, Appli
845	96.5	3.8	296	4	US-09-489-847-293	Sequence 293, App	918	95	3.8	350	3	US-08-510-133A-33	Sequence 33, Appl
846	96.5	3.8	311	4	US-09-949-016-9962	Sequence 9962, Ap	919	95	3.8	350	3	US-08-585-895-33	Sequence 33, Appl
847	96.5	3.8	335	4	US-09-312-283C-186	Sequence 186, App	920	95	3.8	350	4	US-10-084-488-4	Sequence 4, Appli
848	96.5	3.8	347	4	US-09-636-215-590	Sequence 590, App	921	95	3.8	419	2	US-08-999-811-2	Sequence 2, Appli
849	96.5	3.8	347	4	US-09-685-166A-590	Sequence 590, App	922	95	3.8	419	3	US-09-042-105-2	Sequence 2, Appli
850	96.5	3.8	347	4	US-09-679-426-590	Sequence 590, App	923	95	3.8	419	3	US-09-042-105-18	Sequence 18, Appl
851	96.5	3.8	347	4	US-09-759-143-591	Sequence 590, App	924	95	3.8	419	3	US-08-795-430-8	Sequence 8, Appli
852	96.5	3.8	347	4	US-09-651-236-590	Sequence 590, App	925	95	3.8	419	3	US-08-510-133A-35	Sequence 35, Appl
853	96.5	3.8	374	2	US-08-820-170A-25	Sequence 25, Appl	926	95	3.8	419	3	US-09-355-700-8	Sequence 8, Appli
854	96.5	3.8	374	3	US-09-055-699-25	Sequence 25, Appl	927	95	3.8	419	3	US-09-355-700-58	Sequence 58, Appl
855	96.5	3.8	374	3	US-09-273-565-25	Sequence 25, Appl	928	95	3.8	419	4	US-08-601-132-33	Sequence 33, Appl
856	96.5	3.8	374	3	US-09-565-538-25	Sequence 25, Appl	929	95	3.8	419	4	US-08-706-054A-3	Sequence 3, Appli
857	96.5	3.8	374	3	US-09-661-468-25	Sequence 25, Appl	930	95	3.8	419	4	US-09-313-299-3	Sequence 3, Appli
858	96.5	3.8	374	4	US-09-976-185-25	Sequence 25, Appl	931	95	3.8	419	4	US-08-455-568-2	Sequence 2, Appli
859	96.5	3.8	374	4	US-09-227-853A-2	Sequence 2, Appli	932	95	3.8	419	4	US-08-671-573B-33	Sequence 33, Appl
860	96.5	3.8	374	5	PCT-US95-06385-2	Sequence 2, Appli	933	95	3.8	419	4	US-09-438-046-14	Sequence 14, Appl
861	96.5	3.8	482	4	US-08-933-711B-8	Sequence 8, Appli	934	95	3.8	419	4	US-09-631-092B-33	Sequence 33, Appl
862	96.5	3.8	505	1	US-08-220-603A-10	Sequence 10, Appl	935	95	3.8	419	4	US-10-084-488-2	Sequence 2, Appli
863	96.5	3.8	657	4	US-09-949-016-11365	Sequence 11365, A	936	95	3.8	419	4	US-10-084-488-18	Sequence 18, Appl
864	96.5	3.8	657	4	US-09-949-016-11366	Sequence 11366, A	937	95	3.8	419	4	US-09-375-248-4	Sequence 4, Appli
865	96.5	3.8	657	4	US-09-949-016-11367	Sequence 11367, A	938	95	3.8	419	4	US-09-468-647A-108	Sequence 108, App
866	96.5	3.8	657	4	US-09-949-016-11368	Sequence 11368, A	939	95	3.8	419	4	US-09-534-376A-8	Sequence 8, Appli
867	96.5	3.8	1388	4	US-09-463-048A-6	Sequence 6, Appli	940	95	3.8	419	4	US-09-534-376A-58	Sequence 58, Appl
868	96.5	3.8	1497	4	US-09-060-854B-2	Sequence 2, Appli	941	95	3.8	419	4	US-09-169-079-21	Sequence 21, Appl
869	96.5	3.8	1497	4	US-09-529-904-3	Sequence 3, Appli	942	95	3.8	419	4	US-09-214-982-29	Sequence 29, Appl
870	96.5	3.8	1621	4	US-09-949-016-8450	Sequence 8450, Ap	943	95	3.8	419	5	PCT-US96-09001-2	Sequence 2, Appli
871	96	3.8	120	6	5447911-1	Sequence 5447911	944	95	3.8	465	2	US-08-162-402B-8	Sequence 8, Appli
872	96	3.8	120	6	5447911-1	Sequence 5447911	945	95	3.8	486	4	US-09-914-259-35	Sequence 35, Appl
873	96	3.8	199	3	US-08-772-440-13	Sequence 13, Appl	946	95	3.8	486	4	US-09-976-594-278	Sequence 278, App
874	96	3.8	237	3	US-09-111-470-2	Sequence 2, Appli	947	95	3.8	486	4	US-09-949-016-6216	Sequence 6216, Ap
875	96	3.8	237	4	US-09-862-802A-2	Sequence 2, Appli	948	95	3.8	507	4	US-09-949-016-9878	Sequence 9878, Ap
876	96	3.8	666	3	US-09-422-869-18	Sequence 18, Appl	949	94.5	3.7	136	6	5189019-6	Patent No. 5189019
877	96	3.8	915	4	US-09-907-794A-34	Sequence 34, Appl	950	94.5	3.7	136	6	5189019-6	Patent No. 5189019
878	96	3.8	915	4	US-09-905-125A-34	Sequence 34, Appl	951	94.5	3.7	175	2	US-08-401-530A-3	Sequence 3, Appli
879	96	3.8	915	4	US-09-905-125A-34	Sequence 34, Appl	952	94.5	3.7	175	2	US-08-709-662-3	Sequence 3, Appli
880	96	3.8	915	4	US-09-906-700-34	Sequence 34, Appl	953	94.5	3.7	248	4	US-08-450-482B-115	Sequence 115, App
881	96	3.8	915	4	US-09-903-603A-34	Sequence 34, Appl	954	94.5	3.7	513	2	US-08-480-229C-14	Sequence 14, Appl
882	96	3.8	915	4	US-09-904-920A-34	Sequence 34, Appl	955	94.5	3.7	513	2	US-08-659-235C-14	Sequence 14, Appl
883	96	3.8	915	4	US-09-903-064-34	Sequence 34, Appl	956	94.5	3.7	584	4	US-09-949-016-10340	Sequence 10340, A
884	96	3.8	915	4	US-09-905-381A-34	Sequence 34, Appl	957	94.5	3.7	584	4	US-09-949-016-10341	Sequence 10341, A
885	96	3.8	915	4	US-09-906-618-34	Sequence 34, Appl	958	94	3.7	119	1	US-08-340-539A-16	Sequence 16, Appl
886	96	3.8	1725	4	US-09-563-702A-20	Sequence 20, Appl	959	94	3.7	165	4	US-09-706-722A-3	Sequence 3, Appli
887	96	3.8	1725	4	US-09-561-818A-20	Sequence 20, Appl	960	94	3.7	240	4	US-10-006-011A-5	Sequence 5, Appli
888	96	3.8	1786	4	US-09-563-702A-18	Sequence 18, Appl	961	94	3.7	686	3	US-09-245-041-13	Sequence 13, Appl
889	96	3.8	2362	4	US-09-561-818A-18	Sequence 18, Appl	962	94	3.7	686	4	US-09-358-055B-13	Sequence 13, Appl
890	96	3.8	2362	4	US-09-949-016-8985	Sequence 8985, Ap	963	94	3.7	686	4	US-09-893-238-13	Sequence 13, Appl
891	95.5	3.8	123	6	5514582-19	Patent No. 5514582	964	94	3.7	1142	4	US-09-252-991A-18234	Sequence 18234, A
892	95.5	3.8	123	6	5514582-19	Patent No. 5514582	965	94	3.7	1153	4	US-09-560-385A-16	Sequence 16, Appl
893	95.5	3.8	126	3	US-08-772-440-10	Sequence 10, Appl	966	94	3.7	1170	4	US-09-561-709B-12	Sequence 12, Appl
894	95.5	3.8	161	3	US-09-011-735-6	Sequence 6, Appli	967	94	3.7	1170	4	US-09-560-385A-14	Sequence 14, Appl
895	95.5	3.8	176	3	US-08-772-440-8	Sequence 8, Appli	968	94	3.7	1196	1	US-08-144-121-4	Sequence 4, Appli
896	95.5	3.8	180	3	US-08-772-440-31	Sequence 31, Appl	969	94	3.7	1196	1	US-08-735-893-4	Sequence 4, Appli
897	95.5	3.8	317	3	US-09-383-586-20	Sequence 20, Appl	970	94	3.7	1765	4	US-09-562-702A-16	Sequence 16, Appl
898	95.5	3.8	317	4	US-09-823-038A-20	Sequence 20, Appl	971	94	3.7	1765	4	US-09-561-818A-16	Sequence 16, Appl
899	95.5	3.8	351	3	US-09-011-735-1	Sequence 1, Appli	972	94	3.7	1786	4	US-09-562-702A-14	Sequence 14, Appl
900	95.5	3.8	351	3	US-09-029-156-1	Sequence 1, Appli	973	94	3.7	1786	4	US-09-561-818A-14	Sequence 14, Appl
901	95.5	3.8	846	2	US-07-728-215-33	Sequence 33, Appl	974	94	3.7	1786	4	US-09-561-709B-9	Sequence 9, Appli
902	95.5	3.8	846	3	US-08-938-085A-33	Sequence 33, Appl	975	94	3.7	1786	4	US-09-538-092-869	Sequence 869, App
903	95.5	3.8	846	4	US-10-072-844-33	Sequence 33, Appl	976	93.5	3.7	461	3	US-08-742-877-2	Sequence 2, Appli

977	93.5	3.7	580	3	US-08-482-677-10	Sequence 10, Appl	1050	91.5	3.6	180	4	US-09-510-238A-286	Sequence 286, Appl
978	93.5	3.7	580	4	US-10-033-174-10	Sequence 10, Appl	1051	91.5	3.6	132	4	US-09-252-991A-22703	Sequence 22703, A
979	93.5	3.7	589	1	US-07-668-648-6	Sequence 6, Appl	1052	91.5	3.6	252	4	US-09-949-016-8814	Sequence 8814, Ap
980	93.5	3.7	589	2	US-08-429-998-6	Sequence 6, Appl	1053	91.5	3.6	273	1	US-08-152-019A-30	Sequence 30, Appl
981	93.5	3.7	589	2	US-08-431-333-6	Sequence 6, Appl	1054	91.5	3.6	380	3	US-08-468-846-2	Sequence 2, Appl
982	93.5	3.7	589	3	US-08-991-862-2	Sequence 2, Appl	1055	91.5	3.6	380	3	US-08-915-096A-2	Sequence 2, Appl
983	93.5	3.7	589	4	US-08-813-156-2	Sequence 2, Appl	1056	91.5	3.6	384	4	US-09-949-016-9661	Sequence 9661, Ap
984	93.5	3.7	589	4	US-09-456-886-2	Sequence 2, Appl	1057	91.5	3.6	415	1	US-08-073-531B-1	Sequence 1, Appl
985	93.5	3.7	589	4	US-09-824-647-2	Sequence 2, Appl	1058	91.5	3.6	415	1	US-08-295-411-2	Sequence 2, Appl
986	93.5	3.7	589	5	PCT-US91-02321-6	Sequence 6, Appl	1059	91.5	3.6	415	2	US-08-955-471-2	Sequence 2, Appl
987	93.5	3.7	1083	1	US-08-296-014A-2	Sequence 2, Appl	1060	91.5	3.6	415	2	US-08-766-288-1	Sequence 1, Appl
988	93.5	3.7	1083	2	US-08-596-405-2	Sequence 2, Appl	1061	91.5	3.6	415	5	PCT-US92-10242-2	Sequence 2, Appl
989	93.5	3.7	1083	2	US-08-877-620-2	Sequence 2, Appl	1062	91.5	3.6	443	3	US-08-833-963C-2	Sequence 2, Appl
990	93.5	3.7	1083	4	US-09-287-368-2	Sequence 2, Appl	1063	91.5	3.6	443	3	US-08-980-514-1	Sequence 1, Appl
991	93.5	3.7	1083	4	US-09-626-795-2	Sequence 2, Appl	1064	91.5	3.6	466	4	US-09-949-016-7792	Sequence 7792, Ap
992	93.5	3.7	1342	4	US-09-561-709B-13	Sequence 13, Appl	1065	91.5	3.6	1010	4	US-09-118-276-12	Sequence 12, Appl
993	93.5	3.7	1917	4	US-09-627-650B-5	Sequence 5, Appl	1066	91.5	3.6	1101	4	US-09-561-709B-5	Sequence 5, Appl
994	93.5	3.7	1917	4	US-09-436-063C-5	Sequence 5, Appl	1067	91	3.6	79	4	US-10-006-011A-7	Sequence 7, Appl
995	93.5	3.7	2813	4	US-09-381-261A-1	Sequence 1, Appl	1068	91	3.6	234	4	US-09-502-540-15175	Sequence 15175, A
996	93.5	3.7	4654	3	US-08-476-515A-84	Sequence 84, Appl	1069	91	3.6	247	4	US-09-898-554-14	Sequence 14, Appl
997	93.5	3.7	4655	3	US-08-652-877-84	Sequence 84, Appl	1070	91	3.6	253	4	US-09-949-016-10527	Sequence 10527, A
998	93.5	3.7	4655	3	US-08-652-877-86	Sequence 86, Appl	1071	91	3.6	418	3	US-08-795-430-13	Sequence 13, Appl
999	93.5	3.7	4655	3	US-08-652-877-88	Sequence 88, Appl	1072	91	3.6	418	3	US-09-355-700-13	Sequence 13, Appl
1000	93.5	3.7	4655	3	US-08-652-877-90	Sequence 90, Appl	1073	91	3.6	418	4	US-09-534-376A-13	Sequence 13, Appl
1001	93	3.7	120	1	US-08-274-661B-36	Sequence 36, Appl	1074	91	3.6	995	2	US-08-673-789-5	Sequence 5, Appl
1002	93	3.7	134	3	US-08-543-246B-20	Sequence 20, Appl	1075	91	3.6	997	4	US-09-747-371-3	Sequence 3, Appl
1003	93	3.7	216	3	US-08-543-246B-20	Sequence 9, Appl	1076	91	3.6	1155	4	US-09-560-385A-24	Sequence 24, Appl
1004	93	3.7	216	3	US-08-543-246B-24	Sequence 24, Appl	1077	91	3.6	1167	4	US-09-560-385A-20	Sequence 20, Appl
1005	93	3.7	589	1	US-07-668-648-2	Sequence 2, Appl	1078	91	3.6	1172	4	US-09-919-172-16	Sequence 16, Appl
1006	93	3.7	589	2	US-08-429-998-2	Sequence 2, Appl	1079	91	3.6	1174	4	US-09-560-385A-22	Sequence 22, Appl
1007	93	3.7	589	2	US-08-431-333-2	Sequence 2, Appl	1080	91	3.6	1186	4	US-09-560-385A-18	Sequence 18, Appl
1008	93	3.7	589	5	PCT-US91-02321-2	Sequence 2, Appl	1081	91	3.6	1345	2	US-08-977-767-3	Sequence 3, Appl
1009	93	3.7	750	4	US-09-270-767-42975	Sequence 42975, A	1082	91	3.6	3461	3	US-09-334-220-2	Sequence 2, Appl
1010	93	3.7	1171	4	US-09-560-385A-36	Sequence 36, Appl	1083	90.5	3.6	77	4	US-09-531-056A-22	Sequence 22, Appl
1011	93	3.7	1192	4	US-09-560-385A-34	Sequence 34, Appl	1084	90.5	3.6	230	2	US-08-471-371-2	Sequence 2, Appl
1012	93	3.7	2050	2	US-08-347-594A-2	Sequence 2, Appl	1085	90.5	3.6	559	4	US-10-136-227A-28	Sequence 28, Appl
1013	92.5	3.7	104	3	US-09-191-647-13	Sequence 13, Appl	1086	90.5	3.6	559	4	US-09-981-649A-28	Sequence 28, Appl
1014	92.5	3.7	104	3	US-09-540-245A-13	Sequence 13, Appl	1087	90.5	3.6	620	1	US-08-325-071-65	Sequence 65, Appl
1015	92.5	3.7	104	3	US-09-540-153-13	Sequence 13, Appl	1088	90.5	3.6	620	3	US-08-461-004A-65	Sequence 65, Appl
1016	92.5	3.7	248	4	US-09-252-991A-17358	Sequence 17358, A	1089	90.5	3.6	943	3	US-08-476-515A-12	Sequence 12, Appl
1017	92.5	3.7	271	1	US-08-152-019A-28	Sequence 28, Appl	1090	90.5	3.6	944	3	US-08-652-877-12	Sequence 12, Appl
1018	92.5	3.7	415	4	US-09-118-748-2	Sequence 2, Appl	1091	90.5	3.6	1019	4	US-09-502-540-15897	Sequence 15897, A
1019	92.5	3.7	457	4	US-09-774-639-108	Sequence 108, Appl	1092	90.5	3.6	1104	2	US-08-327-832-5	Sequence 5, Appl
1020	92.5	3.7	461	3	US-09-053-871A-21	Sequence 21, Appl	1093	90.5	3.6	1104	2	US-08-828-584-5	Sequence 5, Appl
1021	92.5	3.7	461	4	US-10-133-907-5	Sequence 5, Appl	1094	90.5	3.6	1242	4	US-09-488-270A-2	Sequence 2, Appl
1022	92.5	3.7	461	6	5521070-2	Patent No. 5521070	1095	90	3.6	255	4	US-10-006-011A-8	Sequence 8, Appl
1023	92.5	3.7	461	6	5521070-2	Patent No. 5521070	1096	90	3.6	284	4	US-10-006-011A-9	Sequence 9, Appl
1024	92.5	3.7	480	4	US-09-949-016-11123	Sequence 11123, A	1097	90	3.6	349	3	US-09-006-353A-13	Sequence 13, Appl
1025	92.5	3.7	769	1	US-08-454-455-6	Sequence 6, Appl	1098	90	3.6	349	4	US-09-573-986-13	Sequence 13, Appl
1026	92.5	3.7	831	4	US-09-949-016-10169	Sequence 10169, A	1099	90	3.6	357	4	US-09-949-016-9074	Sequence 9074, Ap
1027	92.5	3.7	1019	1	US-08-296-014A-4	Sequence 4, Appl	1100	90	3.6	550	4	US-09-949-016-11512	Sequence 11512, A
1028	92.5	3.7	1019	2	US-08-596-405-4	Sequence 4, Appl	1101	90	3.6	746	4	US-09-548-797B-4	Sequence 4, Appl
1029	92.5	3.7	1019	2	US-08-877-620-4	Sequence 4, Appl	1102	90	3.6	787	4	US-09-548-797B-5	Sequence 5, Appl
1030	92.5	3.7	1019	4	US-08-287-368-4	Sequence 4, Appl	1103	90	3.6	802	4	US-09-632-098-2	Sequence 2, Appl
1031	92.5	3.7	1019	4	US-09-626-795-4	Sequence 4, Appl	1104	90	3.6	802	4	US-10-177-308-2	Sequence 2, Appl
1032	92	3.6	119	1	US-08-340-539A-15	Sequence 15, Appl	1105	90	3.6	812	4	US-09-632-098-4	Sequence 4, Appl
1033	92	3.6	119	1	US-08-340-539A-18	Sequence 18, Appl	1106	90	3.6	812	4	US-10-177-308-4	Sequence 4, Appl
1034	92	3.6	169	2	US-08-460-309-20	Sequence 20, Appl	1107	90	3.6	849	4	US-09-548-797B-6	Sequence 6, Appl
1035	92	3.6	169	2	US-08-125-077-20	Sequence 20, Appl	1108	90	3.6	997	3	US-09-369-364A-7	Sequence 7, Appl
1036	92	3.6	174	2	US-08-401-530A-2	Sequence 2, Appl	1109	90	3.6	1156	3	US-08-996-083-1	Sequence 1, Appl
1037	92	3.6	174	2	US-08-709-662-2	Sequence 2, Appl	1110	90	3.6	1156	3	US-09-429-516-1	Sequence 1, Appl
1038	92	3.6	175	1	US-08-909-725-6	Sequence 6, Appl	1111	90	3.6	1400	3	US-09-429-516-3	Sequence 3, Appl
1039	92	3.6	257	4	US-09-312-283C-181	Sequence 381, Appl	1112	90	3.6	1400	3	US-08-630-915A-37	Sequence 37, Appl
1040	92	3.6	492	4	US-09-635-872A-19	Sequence 19, Appl	1113	90	3.6	1400	3	US-09-879-957-37	Sequence 37, Appl
1041	92	3.6	492	4	US-09-636-077A-19	Sequence 19, Appl	1114	90	3.6	1833	3	US-08-479-722B-2	Sequence 2, Appl
1042	92	3.6	492	4	US-09-636-060C-19	Sequence 19, Appl	1115	90	3.6	1833	3	US-09-592-685-2	Sequence 2, Appl
1043	92	3.6	492	4	US-09-986-552-19	Sequence 19, Appl	1116	90	3.6	2508	5	PCT-US95-02251-18	Sequence 18, Appl
1044	92	3.6	492	4	US-09-636-596C-19	Sequence 19, Appl	1117	90	3.6	2508	4	US-09-627-650B-7	Sequence 7, Appl
1045	92	3.6	492	4	US-10-023-894-20	Sequence 20, Appl	1118	90	3.6	2508	4	US-09-436-063C-7	Sequence 7, Appl
1046	92	3.6	492	4	US-10-306-686-19	Sequence 19, Appl	1119	89.5	3.5	115	3	US-08-722-126A-8	Sequence 8, Appl
1047	92	3.6	656	4	US-08-933-711B-15	Sequence 15, Appl	1120	89.5	3.5	115	5	PCT-US95-04258-8	Sequence 8, Appl
1048	91.5	3.6	136	2	US-08-560-098A-59	Sequence 59, Appl	1121	89.5	3.5	199	4	US-09-949-016-6129	Sequence 6129, Ap
1049	91.5	3.6	175	4	US-09-252-991A-18125	Sequence 18125, A	1122	89.5	3.5	199	5	PCT-US93-10418-2	Sequence 2, Appl

1123	89.5	3.5	205	4	US-09-949-016-10299	Sequence 10299, A	1196	87	3.4	515	4	US-09-636-596C-6	Sequence 6, Appli
1124	89.5	3.5	575	4	US-09-949-016-11264	Sequence 11264, A	1197	87	3.4	515	4	US-10-023-894-18	Sequence 18, Appli
1125	89.5	3.5	575	4	US-09-949-016-11265	Sequence 11265, A	1198	87	3.4	515	4	US-10-306-686-C	Sequence 6, Appli
1126	89.5	3.5	575	4	US-09-949-016-11266	Sequence 11266, A	1199	87	3.4	898	2	US-08-808-982-5	Sequence 5, Appli
1127	89.5	3.5	575	4	US-09-949-016-11267	Sequence 11267, A	1200	87	3.4	898	2	US-09-306-902A-5	Sequence 5, Appli
1128	89.5	3.5	879	4	US-09-872-733A-16	Sequence 16, Appli	1201	87	3.4	921	4	US-09-699-266A-9	Sequence 9, Appli
1129	89.5	3.5	1036	4	US-09-949-016-6910	Sequence 6910, Ap	1202	87	3.4	956	2	US-08-897-443-3	Sequence 3, Appli
1130	89.5	3.5	1049	4	US-09-949-016-11522	Sequence 11522, A	1203	87	3.4	2544	4	US-09-627-650B-3	Sequence 3, Appli
1131	89	3.5	274	3	US-09-188-930-336	Sequence 336, App	1204	87	3.4	2544	4	US-09-436-063C-3	Sequence 3, Appli
1132	89	3.5	274	4	US-09-312-283C-336	Sequence 336, App	1205	86.5	3.4	347	4	US-09-907-794A-148	Sequence 148, App
1133	89	3.5	430	3	US-09-156-836B-2	Sequence 2, Appli	1206	86.5	3.4	347	4	US-09-905-125A-148	Sequence 148, App
1134	89	3.5	574	4	US-09-248-796A-15283	Sequence 2, Appli	1207	86.5	3.4	347	4	US-09-902-775A-148	Sequence 148, App
1135	89	3.5	615	2	US-08-663-566A-17	Sequence 17, Appl	1208	86.5	3.4	347	4	US-09-906-700-148	Sequence 148, App
1136	89	3.5	615	2	US-08-023-610-17	Sequence 17, Appl	1209	86.5	3.4	347	4	US-09-903-603A-148	Sequence 148, App
1137	89	3.5	615	2	US-08-288-065A-17	Sequence 17, Appl	1210	86.5	3.4	347	4	US-09-904-920A-148	Sequence 148, App
1138	89	3.5	615	2	US-08-362-240A-17	Sequence 17, Appl	1211	86.5	3.4	347	4	US-09-909-064-148	Sequence 148, App
1139	89	3.5	615	2	US-08-473-119-4	Sequence 17, Appl	1212	86.5	3.4	347	4	US-09-905-381A-148	Sequence 148, App
1140	89	3.5	615	5	PCT-US95-10245-17	Sequence 17, Appl	1213	86.5	3.4	347	4	US-09-906-618-148	Sequence 148, App
1141	89	3.5	650	1	US-08-325-071-63	Sequence 63, Appl	1214	86.5	3.4	398	4	US-09-252-991A-26217	Sequence 26217, A
1142	89	3.5	650	3	US-08-461-004A-63	Sequence 63, Appl	1215	86.5	3.4	554	4	US-10-136-227A-30	Sequence 30, Appl
1143	89	3.5	746	4	US-09-589-892B-2	Sequence 2, Appli	1216	86.5	3.4	554	4	US-09-981-649A-30	Sequence 30, Appl
1144	89	3.5	1342	1	US-07-978-895-4	Sequence 4, Appli	1217	86.5	3.4	2601	4	US-09-627-650B-9	Sequence 9, Appli
1145	89	3.5	1342	2	US-08-473-119-4	Sequence 4, Appli	1218	86.5	3.4	2601	4	US-09-436-063C-9	Sequence 9, Appli
1146	89	3.5	1342	2	US-08-475-352-4	Sequence 4, Appli	1219	86	3.4	119	1	US-08-468-347-20	Sequence 20, Appl
1147	89	3.5	1342	4	US-09-170-699-4	Sequence 4, Appli	1220	86	3.4	119	1	US-08-226-264-24	Sequence 24, Appl
1148	89	3.5	1343	6	5183884-4	Sequence 4, Appli	1221	86	3.4	119	2	US-08-467-389-20	Sequence 20, Appl
1149	89	3.5	1343	6	5183884-4	Patent No. 5183884	1222	86	3.4	119	2	US-08-779-379-20	Sequence 20, Appl
1150	89	3.5	1360	4	US-09-949-016-8022	Sequence 8022, Ap	1223	86	3.4	119	2	US-08-469-219-20	Sequence 20, Appl
1151	89	3.5	2813	3	US-08-896-449A-2	Sequence 2, Appli	1224	86	3.4	119	3	US-09-228-152-19	Sequence 19, Appl
1152	89	3.5	2813	3	US-09-132-652-2	Sequence 2, Appli	1225	86	3.4	225	3	US-09-040-483-1	Sequence 1, Appli
1153	89	3.5	2813	4	US-09-886-900A-2	Sequence 2, Appli	1226	86	3.4	225	4	US-08-740-036-1	Sequence 1, Appli
1154	89	3.5	2813	4	US-09-662-478C-2	Sequence 2, Appli	1227	86	3.4	278	2	US-08-460-309-13	Sequence 13, Appl
1155	88.5	3.5	132	1	US-07-893-929A-5	Sequence 5, Appli	1228	86	3.4	278	2	US-08-125-077-13	Sequence 13, Appl
1156	88.5	3.5	132	5	PCT-US92-10344-5	Sequence 5, Appli	1229	86	3.4	279	1	US-08-152-019A-29	Sequence 29, Appl
1157	88.5	3.5	302	4	US-09-520-781-20	Sequence 20, Appl	1230	86	3.4	288	1	US-08-368-852-15	Sequence 15, Appl
1158	88.5	3.5	356	4	US-09-054-272-18	Sequence 18, Appl	1231	86	3.4	349	3	US-09-161-241-8	Sequence 8, Appli
1159	88.5	3.5	1170	1	US-08-313-288B-20	Sequence 20, Appl	1232	86	3.4	405	4	US-09-252-991A-30240	Sequence 30240, A
1160	88	3.5	225	4	US-08-832-488-2	Sequence 2, Appli	1233	86	3.4	410	6	5177197-1	Patent No. 5177197
1161	88	3.5	243	2	US-08-460-309-16	Sequence 16, Appl	1234	86	3.4	410	6	5177197-1	Patent No. 5177197
1162	88	3.5	243	2	US-08-125-077-16	Sequence 16, Appl	1235	86	3.4	484	2	US-08-252-493C-9	Sequence 9, Appli
1163	88	3.5	292	4	US-09-205-258-1116	Sequence 1116, Ap	1236	86	3.4	484	2	US-09-276-197-9	Sequence 9, Appli
1164	88	3.5	452	4	US-09-914-259-34	Sequence 34, Appl	1237	86	3.4	553	3	US-09-249-697A-6	Sequence 6, Appli
1165	88	3.5	480	2	US-08-480-229C-10	Sequence 10, Appl	1238	86	3.4	553	3	US-09-363-316B-6	Sequence 6, Appli
1166	88	3.5	480	2	US-08-659-235C-10	Sequence 10, Appl	1239	86	3.4	553	4	US-10-136-227A-6	Sequence 6, Appli
1167	88	3.5	771	4	US-09-784-358-14	Sequence 14, Appl	1240	86	3.4	553	4	US-09-981-649A-6	Sequence 6, Appli
1168	88	3.5	845	4	US-09-784-358-12	Sequence 12, Appl	1241	86	3.4	726	6	5208144-37	Patent No. 5208144
1169	88	3.5	1617	4	US-09-784-358-16	Sequence 16, Appl	1242	86	3.4	726	6	5208144-37	Patent No. 5208144
1170	88	3.5	1652	4	US-09-627-650B-1	Sequence 1, Appli	1243	86	3.4	995	1	US-08-162-809-18	Sequence 18, Appl
1171	88	3.5	1652	4	US-09-436-063C-1	Sequence 1, Appli	1244	86	3.4	996	4	US-09-949-016-8254	Sequence 8254, Ap
1172	88	3.5	1691	4	US-09-784-358-2	Sequence 2, Appli	1245	86	3.4	1011	1	US-08-162-809-12	Sequence 12, Appl
1173	87.5	3.5	80	4	US-09-554-119A-2	Sequence 2, Appli	1246	86	3.4	1063	1	US-08-127-499A-8	Sequence 8, Appli
1174	87.5	3.5	122	4	US-09-621-976-4812	Sequence 4812, Ap	1247	86	3.4	1063	1	US-08-482-847-8	Sequence 8, Appli
1175	87.5	3.5	221	2	US-08-480-229C-29	Sequence 29, Appl	1248	86	3.4	1394	4	US-09-949-016-5971	Sequence 5971, Ap
1176	87.5	3.5	221	2	US-08-659-235C-29	Sequence 29, Appl	1249	86	3.4	1394	4	5177197-30	Patent No. 5177197
1177	87.5	3.5	337	3	US-09-188-930-186	Sequence 186, App	1250	86	3.4	1394	6	5177197-30	Patent No. 5177197
1178	87.5	3.5	454	1	US-08-166-316-2	Sequence 2, Appli	1251	86	3.4	1451	4	US-09-060-299-25	Sequence 25, Appl
1179	87.5	3.5	717	4	US-09-644-460-37	Sequence 37, Appl	1252	86	3.4	1451	4	US-09-402-923A-25	Sequence 25, Appl
1180	87.5	3.5	911	2	US-08-484-438-10	Sequence 10, Appl	1253	86	3.4	1584	4	US-09-060-239-39	Sequence 39, Appl
1181	87.5	3.5	1005	2	US-08-469-537A-103	Sequence 103, App	1254	86	3.4	1584	4	US-09-402-923A-39	Sequence 39, Appl
1182	87.5	3.5	1058	2	US-08-484-438-4	Sequence 4, Appli	1255	86	3.4	1591	4	US-09-060-299-43	Sequence 43, Appl
1183	87.5	3.5	1308	2	US-08-484-438-2	Sequence 2, Appli	1256	86	3.4	1591	4	US-09-060-299-43	Sequence 43, Appl
1184	87.5	3.5	1940	2	US-08-644-271-30	Sequence 30, Appl	1257	86	3.4	1591	4	US-09-402-923A-4	Sequence 4, Appli
1185	87.5	3.5	1940	4	US-09-077-955-34	Sequence 34, Appl	1258	86	3.4	1591	4	US-09-402-923A-43	Sequence 43, Appl
1186	87	3.4	248	3	US-09-198-603C-2	Sequence 2, Appli	1259	86	3.4	1615	4	US-03-060-239-3	Sequence 3, Appli
1187	87	3.4	248	4	US-09-600-932-27	Sequence 27, Appl	1260	86	3.4	1615	4	US-09-402-923A-3	Sequence 3, Appli
1188	87	3.4	248	4	US-09-949-016-5907	Sequence 5907, Ap	1261	86	3.4	1639	4	US-09-060-299-29	Sequence 29, Appl
1189	87	3.4	263	4	US-09-949-016-9370	Sequence 9370, Ap	1262	86	3.4	1639	4	US-09-402-923A-29	Sequence 29, Appl
1190	87	3.4	265	4	US-09-949-016-9075	Sequence 9075, Ap	1263	85.5	3.4	130	1	US-07-893-929A-7	Sequence 7, Appli
1191	87	3.4	481	4	US-09-914-253-36	Sequence 36, Appl	1264	85.5	3.4	130	4	US-09-949-016-10301	Sequence 10301, A
1192	87	3.4	515	4	US-09-635-872A-6	Sequence 6, Appli	1265	85.5	3.4	130	4	US-09-949-016-10302	Sequence 10302, A
1193	87	3.4	515	4	US-09-636-077A-6	Sequence 6, Appli	1266	85.5	3.4	130	4	US-09-949-016-10303	Sequence 10303, A
1194	87	3.4	515	4	US-09-636-060C-6	Sequence 6, Appli	1267	85.5	3.4	130	4	US-09-949-016-10304	Sequence 10304, A
1195	87	3.4	515	4	US-09-986-552-6	Sequence 6, Appli	1268	85.5	3.4	130	5	PCT-US92-10344-7	Sequence 7, Appli

1269	85.5	3.4	175	2	US-08-464-637-2	Sequence 2, Appli	Sequence 2, Appli	1342	84.5	3.3	884	6	5208144-8	Patent No. 5208144
1270	85.5	3.4	175	2	US-08-401-530A-4	Sequence 4, Appli	Sequence 4, Appli	1343	84.5	3.3	1713	3	US-08-600-982-24	Sequence 24, Appli
1271	85.5	3.4	175	2	US-08-709-662-4	Sequence 4, Appli	Sequence 4, Appli	1344	84.5	3.3	1713	3	US-09-560-385A-6	Sequence 6, Appli
1272	85.5	3.4	175	2	US-08-822-261-3	Sequence 3, Appli	Sequence 3, Appli	1345	84.5	3.3	1713	4	US-09-538-092-1359	Sequence 1359, Ap
1273	85.5	3.4	175	4	US-09-226-852-3	Sequence 3, Appli	Sequence 3, Appli	1346	84.5	3.3	1713	5	PCT-US94-10261A-24	Sequence 24, Appli
1274	85.5	3.4	183	4	US-09-949-016-10537	Sequence 10537, A	Sequence 10537, A	1347	84	3.3	42	1	US-08-278-089A-20	Sequence 20, Appli
1275	85.5	3.4	284	4	US-09-312-283C-389	Sequence 389, App	Sequence 389, App	1348	84	3.3	46	4	US-09-553-769-10	Sequence 10, Appli
1276	85.5	3.4	612	3	US-08-482-677-2	Sequence 2, Appli	Sequence 2, Appli	1349	84	3.3	275	1	US-08-312-870-7	Sequence 7, Appli
1277	85.5	3.4	612	4	US-10-033-174-2	Sequence 2, Appli	Sequence 2, Appli	1350	84	3.3	509	4	US-09-907-794A-315	Sequence 315, App
1278	85.5	3.4	697	3	US-09-724-864-54	Sequence 54, Appl	Sequence 54, Appl	1351	84	3.3	509	4	US-09-905-125A-315	Sequence 315, App
1279	85.5	3.4	706	4	US-09-252-991A-25730	Sequence 25730, A	Sequence 25730, A	1352	84	3.3	509	4	US-09-902-775A-315	Sequence 315, App
1280	85.5	3.4	953	4	US-09-751-389-7	Sequence 7, Appli	Sequence 7, Appli	1353	84	3.3	509	4	US-09-906-700-315	Sequence 315, App
1281	85.5	3.4	967	2	US-08-449-645A-30	Sequence 30, Appl	Sequence 30, Appl	1354	84	3.3	509	4	US-09-903-603A-315	Sequence 315, App
1282	85.5	3.4	967	2	US-08-702-367A-30	Sequence 30, Appl	Sequence 30, Appl	1355	84	3.3	509	4	US-09-904-920A-315	Sequence 315, App
1283	85.5	3.4	975	4	US-09-751-389-8	Sequence 8, Appli	Sequence 8, Appli	1356	84	3.3	509	4	US-09-909-064-315	Sequence 315, App
1284	85.5	3.4	991	2	US-08-449-645A-13	Sequence 13, Appl	Sequence 13, Appl	1357	84	3.3	509	4	US-09-905-381A-315	Sequence 315, App
1285	85.5	3.4	991	2	US-08-702-367A-13	Sequence 13, Appl	Sequence 13, Appl	1358	84	3.3	509	4	US-09-906-618-315	Sequence 315, App
1286	85.5	3.4	991	5	PCT-US95-04681-13	Sequence 13, Appl	Sequence 13, Appl	1359	84	3.3	515	4	US-09-270-767-46765	Sequence 46765, A
1287	85.5	3.4	1128	4	US-09-627-650B-11	Sequence 11, Appl	Sequence 11, Appl	1360	84	3.3	650	1	US-08-325-071-67	Sequence 67, Appli
1288	85.5	3.4	1128	4	US-09-436-063C-11	Sequence 11, Appl	Sequence 11, Appl	1361	84	3.3	650	1	US-08-461-004A-67	Sequence 67, Appli
1289	85.5	3.4	1133	4	US-09-902-540-12243	Sequence 12243, A	Sequence 12243, A	1362	84	3.3	830	1	US-08-110-158-4	Sequence 4, Appli
1290	85.5	3.4	1251	5	PCT-US95-02251-3	Sequence 3, Appli	Sequence 3, Appli	1363	84	3.3	849	4	US-09-949-016-10271	Sequence 10271, A
1291	85.5	3.4	1252	1	US-08-199-780-3	Sequence 3, Appli	Sequence 3, Appli	1364	84	3.3	908	5	PCT-US95-03747-3	Sequence 3, Appli
1292	85.5	3.4	1252	2	US-08-316-650-3	Sequence 3, Appli	Sequence 3, Appli	1365	84	3.3	1245	2	US-08-801-263A-3	Sequence 3, Appli
1293	85.5	3.4	1253	3	US-08-479-722B-4	Sequence 4, Appli	Sequence 4, Appli	1366	84	3.3	1245	3	US-09-102-248-3	Sequence 3, Appli
1294	85.5	3.4	1253	4	US-09-592-685-4	Sequence 4, Appli	Sequence 4, Appli	1367	84	3.3	1245	4	US-09-367-764-3	Sequence 3, Appli
1295	85.5	3.4	1319	4	US-09-578-063-14	Sequence 14, Appl	Sequence 14, Appl	1368	83.5	3.3	44	1	US-08-278-089A-18	Sequence 18, Appli
1296	85.5	3.4	1413	4	US-09-578-063-13	Sequence 13, Appl	Sequence 13, Appl	1369	83.5	3.3	44	2	US-08-838-957A-17	Sequence 17, Appli
1297	85.5	3.4	1453	4	US-09-578-063-11	Sequence 11, Appl	Sequence 11, Appl	1370	83.5	3.3	78	4	US-09-531-056A-18	Sequence 18, Appli
1298	85.5	3.4	1724	4	US-09-560-385A-2	Sequence 2, Appli	Sequence 2, Appli	1371	83.5	3.3	175	4	US-09-270-767-41770	Sequence 41770, A
1299	85	3.4	80	3	US-09-051-624A-1	Sequence 1, Appli	Sequence 1, Appli	1372	83.5	3.3	346	3	US-09-034-916-2	Sequence 2, Appli
1300	85	3.4	553	3	US-09-249-697A-19	Sequence 19, Appl	Sequence 19, Appl	1373	83.5	3.3	369	4	US-09-949-016-10311	Sequence 10311, A
1301	85	3.4	553	3	US-09-363-316B-24	Sequence 24, Appl	Sequence 24, Appl	1374	83.5	3.3	580	3	US-08-665-259-21	Sequence 21, Appli
1302	85	3.4	553	4	US-10-136-227A-24	Sequence 24, Appl	Sequence 24, Appl	1375	83.5	3.3	580	3	US-08-762-500-21	Sequence 21, Appli
1303	85	3.4	553	4	US-09-981-649A-24	Sequence 24, Appl	Sequence 24, Appl	1376	83.5	3.3	647	4	US-09-725-735A-18	Sequence 18, Appli
1304	85	3.4	554	4	US-10-136-227A-32	Sequence 32, Appl	Sequence 32, Appl	1377	83.5	3.3	858	4	US-09-206-551-18	Sequence 18, Appli
1305	85	3.4	554	4	US-09-981-649A-32	Sequence 32, Appl	Sequence 32, Appl	1378	83.5	3.3	897	4	US-09-902-540-15636	Sequence 15636, A
1306	85	3.4	594	4	US-09-949-016-8175	Sequence 8175, Ap	Sequence 8175, Ap	1379	83.5	3.3	1045	1	US-09-949-016-11112	Sequence 11112, A
1307	85	3.4	950	4	US-10-009-332-1	Sequence 1, Appli	Sequence 1, Appli	1380	83.5	3.3	1063	1	US-08-093-453B-3	Sequence 3, Appli
1308	85	3.4	956	4	US-09-949-016-11332	Sequence 11332, A	Sequence 11332, A	1381	83.5	3.3	1170	4	US-09-657-472-2	Sequence 2, Appli
1309	85	3.4	1266	3	US-08-506-296B-4	Sequence 4, Appli	Sequence 4, Appli	1382	83	3.3	42	1	US-08-278-089A-23	Sequence 23, Appli
1310	84.5	3.3	41	2	US-08-838-957A-19	Sequence 19, Appl	Sequence 19, Appl	1383	83	3.3	42	2	US-08-838-957A-22	Sequence 22, Appli
1311	84.5	3.3	133	4	US-09-252-991A-28869	Sequence 28869, A	Sequence 28869, A	1384	83	3.3	48	2	US-08-465-794-3	Sequence 3, Appli
1312	84.5	3.3	160	1	US-08-441-629-7	Sequence 7, Appli	Sequence 7, Appli	1385	83	3.3	48	3	US-09-049-813-3	Sequence 3, Appli
1313	84.5	3.3	160	3	US-08-776-207-7	Sequence 7, Appli	Sequence 7, Appli	1386	83	3.3	117	1	US-08-274-661B-39	Sequence 39, Appli
1314	84.5	3.3	160	3	US-09-507-773-7	Sequence 7, Appli	Sequence 7, Appli	1387	83	3.3	119	1	US-08-340-539A-17	Sequence 17, Appli
1315	84.5	3.3	160	5	PCT-US95-09172-7	Sequence 7, Appli	Sequence 7, Appli	1388	83	3.3	174	2	US-08-401-530A-5	Sequence 5, Appli
1316	84.5	3.3	187	4	US-09-127-946-12	Sequence 12, Appl	Sequence 12, Appl	1389	83	3.3	174	2	US-08-709-662-5	Sequence 5, Appli
1317	84.5	3.3	216	4	US-09-252-991A-24568	Sequence 24568, A	Sequence 24568, A	1390	83	3.3	177	4	US-09-227-853A-13	Sequence 13, Appli
1318	84.5	3.3	287	4	US-09-252-991A-23091	Sequence 23091, A	Sequence 23091, A	1391	83	3.3	178	2	US-08-465-794-18	Sequence 18, Appli
1319	84.5	3.3	288	2	US-08-525-940-15	Sequence 15, Appl	Sequence 15, Appl	1392	83	3.3	178	3	US-09-049-813-18	Sequence 18, Appli
1320	84.5	3.3	288	2	US-08-976-838-15	Sequence 15, Appl	Sequence 15, Appl	1393	83	3.3	178	3	US-08-663-191A-4	Sequence 4, Appli
1321	84.5	3.3	366	4	US-09-270-767-36214	Sequence 36214, A	Sequence 36214, A	1394	83	3.3	188	1	US-07-749-001-5	Sequence 5, Appli
1322	84.5	3.3	366	4	US-09-270-767-51431	Sequence 51431, A	Sequence 51431, A	1395	83	3.3	188	1	US-08-154-198-5	Sequence 5, Appli
1323	84.5	3.3	366	4	US-09-252-991A-20649	Sequence 20649, A	Sequence 20649, A	1396	83	3.3	188	1	US-08-463-335-5	Sequence 5, Appli
1324	84.5	3.3	575	4	US-07-907-190-1	Sequence 1, Appli	Sequence 1, Appli	1397	83	3.3	188	2	US-08-464-023A-5	Sequence 5, Appli
1325	84.5	3.3	635	1	US-07-985-691-2	Sequence 2, Appli	Sequence 2, Appli	1398	83	3.3	225	2	US-08-738-462-2	Sequence 2, Appli
1326	84.5	3.3	635	1	US-08-436-804-2	Sequence 2, Appli	Sequence 2, Appli	1399	83	3.3	225	5	PCT-US94-07587-2	Sequence 2, Appli
1327	84.5	3.3	635	1	US-08-267-387-2	Sequence 2, Appli	Sequence 2, Appli	1400	83	3.3	267	4	US-08-450-482B-111	Sequence 111, App
1328	84.5	3.3	652	6	5258288-4	Patent No. 5258288	Patent No. 5258288	1401	83	3.3	270	4	US-08-450-482B-109	Sequence 109, App
1329	84.5	3.3	652	6	5258288-4	Patent No. 5258288	Patent No. 5258288	1402	83	3.3	498	2	US-08-660-963-12	Sequence 12, Appli
1330	84.5	3.3	676	1	US-08-282-141-4	Sequence 4, Appli	Sequence 4, Appli	1403	83	3.3	814	3	US-09-813-819-4	Sequence 4, Appli
1331	84.5	3.3	676	1	US-08-435-434-3	Sequence 3, Appli	Sequence 3, Appli	1404	83	3.3	814	3	US-09-920-048-4	Sequence 4, Appli
1332	84.5	3.3	676	1	US-08-435-435-3	Sequence 3, Appli	Sequence 3, Appli	1405	83	3.3	814	4	US-10-014-501-4	Sequence 4, Appli
1333	84.5	3.3	676	2	US-08-438-863-3	Sequence 3, Appli	Sequence 3, Appli	1406	83	3.3	855	3	US-09-813-819-2	Sequence 2, Appli
1334	84.5	3.3	676	2	US-08-438-864-3	Sequence 3, Appli	Sequence 3, Appli	1407	83	3.3	855	3	US-09-920-048-2	Sequence 2, Appli
1335	84.5	3.3	676	3	US-08-438-862-3	Sequence 3, Appli	Sequence 3, Appli	1408	83	3.3	855	4	US-10-014-501-2	Sequence 2, Appli
1336	84.5	3.3	676	3	US-08-628-747-3	Sequence 3, Appli	Sequence 3, Appli	1409	83	3.3	1342	2	US-08-484-438-9	Sequence 9, Appli
1337	84.5	3.3	676	3	US-08-402-253-3	Sequence 3, Appli	Sequence 3, Appli	1410	83	3.3	1615	4	US-09-544-398B-3	Sequence 3, Appli
1338	84.5	3.3	676	3	US-08-443-868B-3	Sequence 3, Appli	Sequence 3, Appli	1411	83	3.3	1615	4	US-09-544-398B-4	Sequence 4, Appli
1339	84.5	3.3	760	4	US-09-589-892B-11	Sequence 11, Appl	Sequence 11, Appl	1412	83	3.3	1615	4	US-09-543-771B-3	Sequence 3, Appli
1340	84.5	3.3	858	3	US-07-956-483-17	Sequence 17, Appl	Sequence 17, Appl	1413	83	3.3	1615	4	US-09-543-771B-4	Sequence 4, Appli
1341	84.5	3.3	884	6	5208144-8	Patent No. 5208144	Patent No. 5208144	1414	83	3.3	2867	4	US-09-902-540-12593	Sequence 12593, A

1415	82.5	3.3	219	1	US-08-152-019A-32	Sequence 32, Appl	1488	82	3.2	2509	4	US-09-252-991A-16642	Sequence 16642, A
1416	82.5	3.3	232	1	US-08-173-510B-84	Sequence 84, Appl	1489	81.5	3.2	156	3	US-08-600-982-30	Sequence 30, Appl
1417	82.5	3.3	232	1	US-08-458-218-82	Sequence 82, Appl	1490	81.5	3.2	156	5	PCT-US94-10261A-30	Sequence 30, Appl
1418	82.5	3.3	232	2	US-08-450-497-84	Sequence 84, Appl	1491	81.5	3.2	175	2	US-08-822-261-1	Sequence 1, Appl
1419	82.5	3.3	232	4	US-08-060-433C-34	Sequence 34, Appl	1492	81.5	3.2	175	4	US-09-226-852-1	Sequence 1, Appl
1420	82.5	3.3	232	4	US-08-450-482B-84	Sequence 84, Appl	1493	81.5	3.2	191	4	US-09-531-056A-6	Sequence 6, Appl
1421	82.5	3.3	235	4	US-09-902-540-15031	Sequence 15031, A	1494	81.5	3.2	193	4	US-09-949-016-10300	Sequence 10300, A
1422	82.5	3.3	247	4	US-09-489-039A-7332	Sequence 7332, Ap	1495	81.5	3.2	387	4	US-09-252-991A-31074	Sequence 31074, A
1423	82.5	3.3	339	4	US-09-252-991A-22531	Sequence 22531, A	1496	81.5	3.2	425	4	US-09-489-039A-9584	Sequence 9584, Ap
1424	82.5	3.3	342	4	US-08-840-713-4	Sequence 4, Appli	1497	81.5	3.2	637	4	US-09-949-016-11538	Sequence 11538, A
1425	82.5	3.3	372	1	US-08-403-634-30	Sequence 2, Appli	1498	81.5	3.2	637	4	US-09-949-016-11539	Sequence 11539, A
1426	82.5	3.3	372	3	US-08-403-634-30	Sequence 30, Appl	1499	81.5	3.2	764	4	US-09-949-016-9367	Sequence 9367, Ap
1427	82.5	3.3	372	3	US-08-913-441B-2	Sequence 2, Appli	1500	81.5	3.2	765	4	US-09-949-016-10117	Sequence 10117, A
1428	82.5	3.3	372	3	US-08-913-441B-30	Sequence 30, Appl							
1429	82.5	3.3	372	4	US-09-571-985C-2	Sequence 2, Appli							
1430	82.5	3.3	372	4	US-09-571-985C-30	Sequence 30, Appl							
1431	82.5	3.3	393	4	US-09-949-016-11708	Sequence 11708, A							
1432	82.5	3.3	439	4	US-09-409-096-6	Sequence 6, Appli							
1433	82.5	3.3	546	4	US-09-949-016-10394	Sequence 10394, A							
1434	82.5	3.3	651	1	US-08-264-101-2	Sequence 2, Appli							
1435	82.5	3.3	651	2	US-08-765-243-2	Sequence 2, Appli							
1436	82.5	3.3	651	5	PCT-US95-07295-2	Sequence 2, Appli							
1437	82.5	3.3	670	1	US-08-243-542-3	Sequence 3, Appli							
1438	82.5	3.3	670	1	US-08-477-407-3	Sequence 3, Appli							
1439	82.5	3.3	670	1	US-08-484-355-3	Sequence 3, Appli							
1440	82.5	3.3	734	2	US-08-765-243-8	Sequence 8, Appli							
1441	82.5	3.3	734	5	PCT-US95-07295-8	Sequence 8, Appli							
1442	82.5	3.3	769	1	US-08-243-542-4	Sequence 4, Appli							
1443	82.5	3.3	769	1	US-08-477-407-4	Sequence 4, Appli							
1444	82.5	3.3	769	1	US-08-484-355-4	Sequence 4, Appli							
1445	82.5	3.3	769	4	US-09-949-016-9605	Sequence 9605, Ap							
1446	82.5	3.3	769	4	US-09-949-016-9606	Sequence 9606, Ap							
1447	82.5	3.3	1850	4	US-09-949-016-11387	Sequence 11387, A							
1448	82.5	3.3	1858	4	US-09-902-540-12643	Sequence 12643, A							
1449	82.5	3.3	2205	1	US-08-093-453B-2	Sequence 2, Appli							
1450	82	3.2	75	4	US-09-857-815B-37	Sequence 37, Appl							
1451	82	3.2	75	4	US-09-857-815B-61	Sequence 61, Appl							
1452	82	3.2	76	4	US-09-857-815B-2	Sequence 2, Appli							
1453	82	3.2	77	4	US-09-857-815B-1	Sequence 1, Appli							
1454	82	3.2	78	4	US-09-857-815B-7	Sequence 7, Appli							
1455	82	3.2	78	4	US-09-857-815B-9	Sequence 9, Appli							
1456	82	3.2	78	4	US-09-857-815B-5	Sequence 5, Appli							
1457	82	3.2	79	4	US-09-857-815B-8	Sequence 8, Appli							
1458	82	3.2	79	4	US-08-663-191A-1	Sequence 1, Appli							
1459	82	3.2	80	3	US-10-138-158-17	Sequence 17, Appl							
1460	82	3.2	80	4	US-09-857-815B-35	Sequence 35, Appl							
1461	82	3.2	111	6	5514582-20	Patent No. 5514582							
1462	82	3.2	111	6	5514582-20	Patent No. 5514582							
1463	82	3.2	187	6	5256643-2	Patent No. 5256643							
1464	82	3.2	187	6	5256643-2	Patent No. 5256643							
1465	82	3.2	192	4	US-09-949-016-7062	Sequence 7062, Ap							
1466	82	3.2	232	4	US-08-450-482B-123	Sequence 123, App							
1467	82	3.2	319	4	US-08-835-279-2	Sequence 2, Appli							
1468	82	3.2	395	4	US-09-270-767-43034	Sequence 43034, A							
1469	82	3.2	399	4	US-09-252-991A-28974	Sequence 28974, A							
1470	82	3.2	420	1	US-08-391-259-2	Sequence 2, Appli							
1471	82	3.2	420	2	US-08-839-425-2	Sequence 2, Appli							
1472	82	3.2	420	2	US-09-540-236-3462	Sequence 3462, Ap							
1473	82	3.2	452	4	US-09-270-767-46608	Sequence 46608, A							
1474	82	3.2	467	4	US-09-578-063-69	Sequence 69, Appl							
1475	82	3.2	612	3	US-08-762-500-79	Sequence 79, Appl							
1476	82	3.2	612	3	US-08-325-071-56	Sequence 56, Appl							
1477	82	3.2	650	1	US-08-325-071-56	Sequence 56, Appl							
1478	82	3.2	650	3	US-08-461-004A-56	Sequence 56, Appl							
1479	82	3.2	688	1	US-08-325-071-57	Sequence 57, Appl							
1480	82	3.2	688	3	US-08-461-004A-57	Sequence 57, Appl							
1481	82	3.2	830	5	PCT-US91-05059-2	Sequence 2, Appli							
1482	82	3.2	830	6	5378464-2	Patent No. 5378464							
1483	82	3.2	830	6	5378464-2	Patent No. 5378464							
1484	82	3.2	1104	4	US-09-981-953A-4	Sequence 4, Appli							
1485	82	3.2	1245	2	US-08-801-263A-6	Sequence 6, Appli							
1486	82	3.2	1245	3	US-09-102-248-6	Sequence 6, Appli							
1487	82	3.2	1245	4	US-09-367-764-6	Sequence 6, Appli							

RESULT 1

US-09-866-028-50

Sequence 50, Application US/09866028

Patent No. 6642360

GENERAL INFORMATION:

APPLICANT: Baker, Kevin

APPLICANT: Botstein, David

APPLICANT: Eaton, Dan

APPLICANT: Ferrara, Napoleone

APPLICANT: Filvaroff, Ellen

APPLICANT: Gerritsen, Mary

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul

APPLICANT: Grimaldi, Christopher

APPLICANT: Gurney, Austin

APPLICANT: Hillan, Kenneth

APPLICANT: KJavin, Ivar

APPLICANT: Napier, Mary

APPLICANT: Roy, Margaret

APPLICANT: Tumas, Daniel

APPLICANT: Wood, William

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME

FILE REFERENCE: P2548P1C1

CURRENT APPLICATION NUMBER: US/09/866,028

CURRENT FILING DATE: 2001-05-25

Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 120

SEQ ID NO 50

LENGTH: 455

TYPE: PRT

ORGANISM: Homo Sapien

US-09-866-028-50

Query Match 100.0%; Score 2529; DB 4; Length 455;

Best Local Similarity 100.0%; Pred. No. 1.3e-218; Indels 0; Gaps 0;

Matches 455; Conservative 0; Mismatches 0;

Qy 1 MLHPETSPFGHLLAVLLALLGTTTAAEVPWPQEQAPMAGALNRKESFLLLSLHNRLS 60

Db 1 MLHPETSPFGHLLAVLLALLGTTTAAEVPWPQEQAPMAGALNRKESFLLLSLHNRLS 60

Qy 61 WVQPPAADMRRLDWSLSLAQLAQAARALCGITPTPSLASGLWRTLOQWNNMQLIPAGLASF 120

Db 61 WVQPPAADMRRLDWSLSLAQLAQAARALCGITPTPSLASGLWRTLOQWNNMQLIPAGLASF 120

Qy 121 VEVVSLWFAEGORYSHAAECARNATCTHTYTOLWATSSOLGGRHLCSAGOTAIEAFVC 180

Db 121 VEVVSLWFAEGORYSHAAECARNATCTHTYTOLWATSSOLGGRHLCSAGOTAIEAFVC 180

Qy 181 AYSPPGWNVEYNGKTIIPYKKGWCSLCTASVSGCFKAWDHAGGLCEVPRNPGRMSCONHG 240

Db 181 AYSPPGWNVEYNGKTIIPYKKGWCSLCTASVSGCFKAWDHAGGLCEVPRNPGRMSCONHG 240

Qy 241 RLNIATSTCHCHCPGYTGRYCQVRCSLQCVHGRFREECSCVCDIGYGGAQCATKVHPFFH 300

Db 241 RLNISTCHCHCPGTYGRCVQVCSLQCVHGRFEEBECSCVCDIGYGGAQCATKVHFFPH 300
Qy 301 TCDLRIDGDCFMVSSSEADTYRARMKQCKGGVLAQIKSQKQVODILAFYLGRLTNEVT 360
Db 301 TCDLRIDGDCFMVSSSEADTYRARMKQCKGGVLAQIKSQKQVODILAFYLGRLTNEVT 360
Qy 361 DSDPFTNFWGLTYKTAKDSFRWATGEHOAFTSFAPGQPDNHLVWLSAAMFGNCVEL 420
Db 361 DSDPFTNFWGLTYKTAKDSFRWATGEHOAFTSFAPGQPDNHLVWLSAAMFGNCVEL 420
Qy 421 QASAAFNWQDCKTRNRYICQPAQEHISRWGPGS 455
Db 421 QASAAFNWQDCKTRNRYICQPAQEHISRWGPGS 455

RESULT 2

US-09-944-457-50
; Sequence 50, Application US/09944457
; Patent No. 6734288
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; APPLICANT: Botstein, David
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Flvaroff, Ellen
; APPLICANT: Gerriksen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Kljavin, Ivar
; APPLICANT: Napier, Mary
; APPLICANT: Roy, Margaret
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P2548P1C1
; CURRENT APPLICATION NUMBER: US/09/944, 457
; CURRENT FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 09/866, 028
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/067, 411
; PRIOR FILING DATE: December 3, 1997
; PRIOR APPLICATION NUMBER: 60/069, 334
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069, 335
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069, 278
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069, 425
; PRIOR FILING DATE: December 12, 1997
; PRIOR APPLICATION NUMBER: 60/069, 696
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069, 694
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069, 702
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069, 870
; PRIOR FILING DATE: December 17, 1997
; PRIOR APPLICATION NUMBER: 60/069, 873
; PRIOR FILING DATE: December 17, 1997
; PRIOR APPLICATION NUMBER: 60/068, 017
; PRIOR FILING DATE: December 18, 1997
; PRIOR APPLICATION NUMBER: 60/070, 440
; PRIOR FILING DATE: January 5, 1998
; PRIOR APPLICATION NUMBER: 60/074, 086
; PRIOR FILING DATE: February 9, 1998
; PRIOR APPLICATION NUMBER: 60/074, 092
; PRIOR FILING DATE: February 9, 1998
; PRIOR APPLICATION NUMBER: 60/075, 945

Query Match 100.0%; Score 2529; DB 4; Length 455;
Best Local Similarity 100.0%; Pred. No. 1.3e-218; Indels 0; Gaps 0;
Matches 455; Conservative 0; Mismatches 0
Qy 1 MLHPETSPGRGHLLAVLLALGTTWAEVWPQEQAPMAGALNRKESFLLLSLHNRLS 60
Db 1 MLHPETSPGRGHLLAVLLALGTTWAEVWPQEQAPMAGALNRKESFLLLSLHNRLS 60
Qy 61 WVQPPADMRLDWSDSLQALQARAALCGITPFSLASGLWRTLOVGNWMLLPAGLASF 120
Db 61 WVQPPADMRLDWSDSLQALQARAALCGITPFSLASGLWRTLOVGNWMLLPAGLASF 120
Qy 121 VEVVSLWPAEGORYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCAGQTAIEAFC 180
Db 121 VEVVSLWPAEGORYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCAGQTAIEAFC 180
Qy 181 AYSFGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNFCRMSQNHG 240
Db 181 AYSFGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNFCRMSQNHG 240
Qy 241 RLNISTCHCHCPGTYGRCVQVCSLQCVHGRFEEBECSCVCDIGYGGAQCATKVHFFPH 300

1165	235.5	9.3	500	9	US-09-808-602-108	Sequence 108, App
1166	235.5	9.3	500	9	US-09-808-602-112	Sequence 112, App
1167	235.5	9.3	500	9	US-09-808-602-114	Sequence 114, App
1187	235.5	9.3	500	10	US-09-800-198-94	Sequence 94, Appl
1452	235.5	9.3	500	14	US-10-167-749-363	Sequence 363, App

Search completed: August 17, 2005, 20:49:35
Job time : 84 secs

Sequence 108, App
Sequence 112, App
Sequence 114, App
Sequence 94, Appl
Sequence 363, App

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: September 17, 2005, 06:47:25 ; Search time 44 Seconds
(without alignments)
771.939 Million cell updates

Title: US-09-944-896-50
 Perfect score: 2529
 Sequence: 1 MLHPETSPGRCHLLAVLLAL.....RNRVYCQAEHISRWGPGS 455

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

```
Minimum DB seq length: 0
Maximum DB seq length: 2000000000
```

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1500 summaries

```
Database : Issued Patents_AA.*
1: /csm2_6/pdata/1/aa/5A_COMB pep.*
2: /csm2_6/pdata/1/aa/5B_COMB pep.*
3: /csm2_6/pdata/1/aa/6A_COMB pep.*
4: /csm2_6/pdata/1/aa/6B_COMB pep.*
5: /csm2_6/pdata/1/aa/PCTUS_COMB pep.*
6: /csm2_6/pdata/1/aa/backfiles1 pep.*
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Result No.	%			SUMMARIES			Description
	Score	Match	Length	ID	DB	ID	
1	2529	100.0	455	4	US-09-866-028-50	Sequence 50, Appl	
2	2529	100.0	455	4	US-09-944-457-50	Sequence 50, Appl	
3	272	10.8	463	4	US-09-907-794A-285	Sequence 285, Appl	
4	272	10.8	463	4	US-09-905-125A-285	Sequence 285, Appl	
5	272	10.8	463	4	US-09-902-775A-285	Sequence 285, Appl	
6	272	10.8	463	4	US-09-906-700-285	Sequence 285, Appl	
7	272	10.8	463	4	US-09-903-603A-285	Sequence 285, Appl	
8	272	10.8	463	4	US-09-904-920A-285	Sequence 285, Appl	
9	272	10.8	463	4	US-09-909-064-285	Sequence 285, Appl	
10	272	10.8	463	4	US-09-905-381A-285	Sequence 285, Appl	
11	272	10.8	463	4	US-09-906-618-285	Sequence 285, Appl	
12	267	10.6	270	2	US-08-773-368-1	Sequence 1, Appl	
13	267	10.6	270	3	US-09-199-887-1	Sequence 1, Appl	
14	259	10.2	258	4	US-09-698-781-3	Sequence 3, Appl	
15	232	9.2	219	2	US-08-773-368-3	Sequence 3, Appl	
16	232	9.2	219	3	US-09-199-887-3	Sequence 3, Appl	
17	231	9.1	266	2	US-08-773-368-4	Sequence 4, Appl	
18	231	9.1	286	3	US-09-199-887-4	Sequence 4, Appl	
19	222.5	8.8	257	4	US-09-949-016-7490	Sequence 7490, Appl	
20	221	8.7	243	4	US-09-941-759-7	Sequence 7, Appl	
21	213.5	8.4	249	4	US-09-949-016-6025	Sequence 6025, Appl	
22	213.5	8.4	267	4	US-09-949-016-7489	Sequence 7489, Appl	
23	212	8.4	1257	1	US-08-340-428B-49	Sequence 49, Appl	
24	196	7.8	2409	6	5180808-2	Patent No. 5180808	
25	196	7.8	2409	6	5180808-2	Patent No. 5180808	
26	189.5	7.5	1455	1	US-08-840-062-5	Sequence 5, Appl	
27	185	7.3	151	1	US-08-614-935-28	Sequence 28, Appl	

101	154.5	6.1	141	2	US-07-857-224B-104	Sequence 104, App	174	141	5.6	659	4	US-09-423-753-3	Sequence 3, Appli
102	154.5	6.1	721	3	US-08-981-392-5	Sequence 5, Appli	175	141	5.6	685	3	US-08-872-855-2	Sequence 2, Appli
103	154.5	6.1	721	3	US-09-908-322-5	Sequence 5, Appli	176	141	5.6	685	4	US-09-423-753-25	Sequence 25, Appli
104	154	6.1	135	2	US-07-857-224B-103	Sequence 103, App	177	141	5.6	685	4	US-09-641-612-7	Sequence 7, Appli
105	154	6.1	713	3	US-08-872-855-5	Sequence 5, Appli	178	141	5.6	1157	4	US-09-949-016-9568	Sequence 9568, Ap
106	153.5	6.1	721	3	US-08-872-855-7	Sequence 7, Appli	179	141	5.6	1219	3	US-08-882-046-5	Sequence 5, Appli
107	153	6.0	138	2	US-07-857-224B-112	Sequence 112, App	180	141	5.6	1219	4	US-09-566-047-5	Sequence 5, Appli
108	153	6.0	166	1	US-08-614-935-30	Sequence 30, Appl	181	140.5	5.6	137	2	US-07-857-224B-111	Sequence 111, App
109	153	6.0	166	3	US-09-130-287-30	Sequence 30, Appl	182	140.5	5.6	830	3	US-08-872-855-11	Sequence 11, Appl
110	153	6.0	374	4	US-09-489-847-166	Sequence 166, App	183	139.5	5.5	1065	2	US-08-400-159-8	Sequence 8, Appli
111	152.5	6.0	134	4	US-09-621-976-3902	Sequence 3902, Ap	184	138.5	5.5	1148	3	US-08-882-046-4	Sequence 4, Appli
112	151	6.0	260	4	US-09-638-203-3	Sequence 3, Appli	185	138.5	5.5	1148	4	US-09-566-047-4	Sequence 4, Appli
113	150.5	6.0	1193	2	US-08-400-159-10	Sequence 10, Appl	186	138	5.5	202	4	US-10-000-489-62	Sequence 62, Appl
114	150.5	6.0	1193	3	US-08-611-729A-10	Sequence 10, Appl	187	137.5	5.4	272	3	US-09-949-016-9961	Sequence 9961, Ap
115	150.5	6.0	1193	4	US-09-195-524-10	Sequence 10, Appl	188	137.5	5.4	287	3	US-09-111-470-6	Sequence 6, Appli
116	150.5	6.0	2254	4	US-09-949-016-9270	Sequence 9270, Ap	189	137.5	5.4	287	4	US-09-862-802A-6	Sequence 6, Appli
117	150	5.9	2471	1	US-08-185-432-16	Sequence 16, Appl	190	137.5	5.4	454	1	US-07-930-686-10	Sequence 10, Appl
118	150	5.9	2471	1	US-08-083-590A-19	Sequence 19, Appl	191	137.5	5.4	454	2	US-08-460-998-10	Sequence 10, Appl
119	150	5.9	2471	3	US-08-532-384-19	Sequence 19, Appl	192	137.5	5.4	1055	3	US-09-214-278-2	Sequence 2, Appli
120	150	5.9	2471	4	US-08-899-232-1	Sequence 1, Appli	193	137.5	5.4	1055	4	US-09-855-722-2	Sequence 2, Appli
121	150	5.9	2471	4	US-09-121-457-1	Sequence 1, Appli	194	137.5	5.4	1212	3	US-09-214-278-3	Sequence 3, Appli
122	149.5	5.9	382	4	US-09-907-794A-137	Sequence 137, App	195	137.5	5.4	1212	4	US-09-855-722-3	Sequence 3, Appli
123	149.5	5.9	382	4	US-09-905-125A-137	Sequence 137, App	196	137.5	5.4	1238	3	US-09-214-278-5	Sequence 5, Appli
124	149.5	5.9	382	4	US-09-902-775A-137	Sequence 137, App	197	137.5	5.4	1238	4	US-09-855-722-5	Sequence 5, Appli
125	149.5	5.9	382	4	US-09-906-700-137	Sequence 137, App	198	137.5	5.4	1257	3	US-08-611-729A-8	Sequence 8, Appli
126	149.5	5.9	382	4	US-09-903-603A-137	Sequence 137, App	199	137.5	5.4	1257	4	US-09-195-524-8	Sequence 8, Appli
127	149.5	5.9	382	4	US-09-904-920A-137	Sequence 137, App	200	137	5.4	253	4	US-09-541-759-2	Sequence 2, Appli
128	149.5	5.9	382	4	US-09-909-064-137	Sequence 137, App	201	136	5.4	139	4	US-09-535-521-11	Sequence 11, Appl
129	149.5	5.9	382	4	US-09-905-381A-137	Sequence 137, App	202	136	5.4	141	4	US-09-535-521-14	Sequence 14, Appl
130	149.5	5.9	382	4	US-09-906-618-137	Sequence 137, App	203	136	5.4	187	4	US-09-535-521-17	Sequence 17, Appl
131	148.5	5.9	129	5	US-08-722-126A-10	Sequence 10, Appl	204	136	5.4	208	4	US-09-535-521-20	Sequence 20, Appl
132	148.5	5.9	129	5	PCT-US95-04258-10	Sequence 10, Appl	205	136	5.4	292	4	US-09-535-521-2	Sequence 2, Appli
133	148	5.9	192	4	US-09-541-755-5	Sequence 5, Appli	206	136	5.4	292	5	US-09-535-521-5	Sequence 5, Appli
134	146.5	5.8	1079	3	US-08-840-062-2	Sequence 2, Appli	207	136	5.4	1479	3	US-08-840-062-4	Sequence 4, Appli
135	146	5.8	1410	3	US-08-882-046-7	Sequence 7, Appli	208	135.5	5.4	114	6	5514582-14	Patent No. 5514582
136	146	5.8	1010	4	US-09-566-047-7	Sequence 7, Appli	209	135.5	5.4	114	6	5514582-14	Patent No. 5514582
137	146	5.8	1036	3	US-09-068-740A-6	Sequence 6, Appli	210	135.5	5.4	833	1	US-08-264-534-6	Sequence 6, Appli
138	146	5.8	1067	4	US-09-579-536C-18	Sequence 18, Appl	211	135.5	5.4	833	1	US-08-083-590A-2	Sequence 2, Appli
139	146	5.8	1187	3	US-09-068-740A-7	Sequence 7, Appli	212	135.5	5.4	833	2	US-08-465-500-6	Sequence 6, Appli
140	146	5.8	1208	4	US-09-199-865-1	Sequence 1, Appli	213	135.5	5.4	833	2	US-08-346-126-6	Sequence 6, Appli
141	146	5.8	1208	4	US-10-213-329-1	Sequence 1, Appli	214	135.5	5.4	833	2	US-08-346-128-6	Sequence 6, Appli
142	146	5.8	1218	4	US-08-400-159-6	Sequence 6, Appli	215	135.5	5.4	833	3	US-08-532-384-2	Sequence 2, Appli
143	146	5.8	1218	3	US-08-611-729A-6	Sequence 6, Appli	216	135.5	5.4	833	3	US-08-893-828-6	Sequence 6, Appli
144	146	5.8	1218	3	US-08-882-046-2	Sequence 2, Appli	217	135	5.3	1525	3	US-09-191-647-2	Sequence 2, Appli
145	146	5.8	1218	3	US-09-214-278-7	Sequence 7, Appli	218	135	5.3	1525	3	US-09-540-245A-2	Sequence 2, Appli
146	146	5.8	1218	3	US-09-068-740A-11	Sequence 11, Appl	219	135	5.3	1525	3	US-09-540-153-2	Sequence 2, Appli
147	146	5.8	1218	4	US-09-855-722-7	Sequence 7, Appli	220	134.5	5.3	704	4	US-09-590-656-2	Sequence 2, Appli
148	146	5.8	1218	4	US-09-566-047-2	Sequence 2, Appli	221	134.5	5.3	704	4	US-09-733-764-2	Sequence 2, Appli
149	146	5.8	1218	4	US-09-917-254-85	Sequence 85, Appl	222	134.5	5.3	977	4	US-09-590-656-1	Sequence 1, Appli
150	146	5.8	1218	4	US-09-195-524-6	Sequence 6, Appli	223	134.5	5.3	977	4	US-09-733-764-1	Sequence 1, Appli
151	146	5.8	1218	4	US-09-579-536C-1	Sequence 1, Appli	224	134.5	5.3	1124	1	US-08-323-474-2	Sequence 2, Appli
152	146	5.8	1218	4	US-09-949-016-5902	Sequence 5902, Ap	225	134.5	5.3	1124	4	US-09-949-016-5946	Sequence 5946, Ap
153	146	5.8	1254	4	US-09-949-016-10297	Sequence 10297, A	226	134.5	5.3	1124	5	PCT-US93-06093-2	Sequence 2, Appli
154	146	5.8	2556	1	US-08-185-432-17	Sequence 17, Appl	227	134.5	5.3	1480	3	US-09-191-647-7	Sequence 7, Appli
155	146	5.8	2556	4	US-08-899-232-2	Sequence 2, Appli	228	134.5	5.3	1480	3	US-09-540-245A-7	Sequence 7, Appli
156	146	5.8	2556	4	US-09-121-457-2	Sequence 2, Appli	229	134.5	5.3	1480	3	US-09-540-153-7	Sequence 7, Appli
157	144.5	5.7	1964	3	US-09-467-997-1	Sequence 1, Appli	230	134.5	5.3	1480	5	PCT-US91-09055-2	Sequence 2, Appli
158	144	5.7	1139	1	US-08-537-210A-4	Sequence 4, Appli	231	133.5	5.3	223	4	US-09-541-759-1	Sequence 1, Appli
159	144	5.7	1139	3	US-09-113-825-4	Sequence 4, Appli	232	133.5	5.3	321	4	US-09-270-767-33762	Sequence 33762, A
160	144	5.7	2556	1	US-08-083-590A-20	Sequence 20, Appl	233	133.5	5.3	321	4	US-09-270-767-48979	Sequence 48979, A
161	144	5.7	2556	3	US-08-532-384-20	Sequence 20, Appl	234	133.5	5.3	328	4	US-09-065-040-8	Sequence 8, Appli
162	143.5	5.7	440	2	US-07-930-686-12	Sequence 12, Appl	235	133.5	5.3	832	3	US-08-981-392-6	Sequence 6, Appli
163	143.5	5.7	440	2	US-08-460-998-12	Sequence 12, Appl	236	133.5	5.3	832	4	US-09-908-322-6	Sequence 6, Appli
164	143.5	5.7	1248	3	US-08-882-046-6	Sequence 6, Appli	237	133	5.3	115	6	5514582-18	Patent No. 5514582
165	143.5	5.7	1248	3	US-09-566-047-6	Sequence 6, Appli	238	133	5.3	115	6	5514582-18	Patent No. 5514582
166	142.5	5.6	1480	3	US-09-183-024A-5	Sequence 5, Appli	239	132.5	5.2	148	4	US-09-949-016-6802	Sequence 6802, Ap
167	142	5.6	203	1	US-08-419-414-8	Sequence 8, Appli	240	132.5	5.2	179	1	US-08-690-095-9	Sequence 9, Appli
168	142	5.6	203	1	US-08-614-935-3	Sequence 3, Appli	241	132.5	5.2	179	2	US-08-650-578-2	Sequence 2, Appli
169	142	5.6	203	3	US-09-130-287-3	Sequence 3, Appli	242	132.5	5.2	179	2	US-08-688-342-3	Sequence 3, Appli
170	141	5.6	202	1	US-08-469-486-56	Sequence 56, Appl	243	132.5	5.2	179	2	US-09-113-788-3	Sequence 3, Appli
171	141	5.6	202	2	US-08-469-658-56	Sequence 56, Appl	244	132.5	5.2	179	3	US-09-113-789-9	Sequence 9, Appli
172	141	5.6	233	4	US-09-216-393B-110	Sequence 110, App	245	132.5	5.2	179	4	US-09-919-039-130	Sequence 130, App
173	141	5.6	500	4	US-09-423-753-2	Sequence 2, Appli	246	132.5	5.2	179	4	US-09-949-016-6200	Sequence 6200, Ap

247	132.5	5.2	578	3	US-08-981-392-13	Sequence 13, Appl	Sequence 13, Appl	320	127.5	5.0	1350	4	US-09-893-238-17	Sequence 17, Appl
248	132.5	5.2	578	4	US-09-908-322-13	Sequence 13, Appl	Sequence 13, Appl	321	127.5	5.0	1429	3	US-09-245-041-130	Sequence 130, App
249	131.5	5.2	128	4	US-09-535-521-8	Sequence 8, Appl	Sequence 8, Appl	322	127.5	5.0	1429	4	US-09-358-055B-131	Sequence 131, App
250	131.5	5.2	1101	2	US-08-469-537A-96	Sequence 96, Appl	Sequence 96, Appl	323	127.5	5.0	2787	3	US-09-245-041-15	Sequence 15, Appl
251	131.5	5.2	2199	4	US-08-793-273C-2	Sequence 2, Appl	Sequence 2, Appl	324	127.5	5.0	2787	4	US-09-358-055B-15	Sequence 15, Appl
252	131.5	5.2	2199	5	PCT-US95-11684-2	Sequence 2, Appl	Sequence 2, Appl	325	127.5	5.0	2787	4	US-09-893-238-15	Sequence 15, Appl
253	131	5.2	383	1	US-08-597-545-2	Sequence 2, Appl	Sequence 2, Appl	326	127	5.0	205	1	US-08-450-944-5	Sequence 5, Appl
254	131	5.2	383	1	US-08-457-135-2	Sequence 2, Appl	Sequence 2, Appl	327	127	5.0	205	5	PCT-US96-07709-5	Sequence 5, Appl
255	131	5.2	721	4	US-09-949-016-11031	Sequence 11031, A	Sequence 11031, A	328	127	5.0	220	4	US-09-541-759-3	Sequence 3, Appl
256	131	5.2	1523	3	US-09-182-024A-2	Sequence 2, Appl	Sequence 2, Appl	329	127	5.0	221	1	US-08-450-944-2	Sequence 2, Appl
257	131	5.2	1529	4	US-09-312-283C-396	Sequence 396, App	Sequence 396, App	330	127	5.0	221	5	PCT-US96-07709-2	Sequence 2, Appl
258	131	5.2	1799	4	US-09-845-583A-6	Sequence 6, Appl	Sequence 6, Appl	331	127	5.0	292	4	US-09-248-726A-15095	Sequence 15095, A
259	131	5.2	3594	4	US-09-911-842A-4	Sequence 4, Appl	Sequence 4, Appl	332	126.5	5.0	125	3	US-08-723-126A-7	Sequence 7, Appl
260	131	5.2	3523	4	US-09-341-461-2	Sequence 2, Appl	Sequence 2, Appl	333	126.5	5.0	125	5	PCT-US95-04258-7	Sequence 7, Appl
261	130.5	5.2	1263	4	US-09-535-521-25	Sequence 25, Appl	Sequence 25, Appl	334	126.5	5.0	287	1	US-08-365-103B-4	Sequence 4, Appl
262	130.5	5.2	1064	3	US-08-537-210A-3	Sequence 3, Appl	Sequence 3, Appl	335	126.5	5.0	289	4	US-09-862-802A-13	Sequence 13, Appl
263	130.5	5.2	1164	3	US-09-113-825-3	Sequence 3, Appl	Sequence 3, Appl	336	126.5	5.0	300	1	US-08-365-103B-6	Sequence 6, Appl
264	130.5	5.2	1118	1	US-07-934-393B-2	Sequence 2, Appl	Sequence 2, Appl	337	126.5	5.0	327	1	US-08-365-103B-2	Sequence 2, Appl
265	130.5	5.2	1118	2	US-08-278-089A-2	Sequence 2, Appl	Sequence 2, Appl	338	126.5	5.0	1404	2	US-08-400-159-2	Sequence 2, Appl
266	130.5	5.2	1122	1	US-08-838-957A-2	Sequence 2, Appl	Sequence 2, Appl	339	126.5	5.0	1404	3	US-08-611-729A-2	Sequence 2, Appl
267	130.5	5.2	1122	1	US-08-278-089A-6	Sequence 6, Appl	Sequence 6, Appl	340	126.5	5.0	1404	4	US-09-195-524-2	Sequence 2, Appl
268	130.5	5.2	1122	2	US-08-838-957A-6	Sequence 6, Appl	Sequence 6, Appl	341	126.5	5.0	4391	4	US-10-006-011A-2	Sequence 2, Appl
269	130.5	5.2	2200	4	US-09-796-575-2	Sequence 2, Appl	Sequence 2, Appl	342	126	5.0	219	4	US-09-907-794A-377	Sequence 377, App
270	130	5.1	316	3	US-09-111-470-4	Sequence 4, Appl	Sequence 4, Appl	343	126	5.0	219	4	US-09-905-125A-377	Sequence 377, App
271	130	5.1	316	4	US-09-862-802A-4	Sequence 4, Appl	Sequence 4, Appl	344	126	5.0	219	4	US-09-902-775A-377	Sequence 377, App
272	129.5	5.1	125	2	US-07-857-224B-114	Sequence 114, App	Sequence 114, App	345	126	5.0	219	4	US-09-906-700-377	Sequence 377, App
273	129.5	5.1	137	2	US-07-857-224B-110	Sequence 110, App	Sequence 110, App	346	126	5.0	219	4	US-09-903-620A-377	Sequence 377, App
274	129.5	5.1	328	4	US-09-065-040-12	Sequence 12, App	Sequence 12, App	347	126	5.0	219	4	US-09-904-920A-377	Sequence 377, App
275	129.5	5.1	379	4	US-09-907-794A-4	Sequence 4, Appl	Sequence 4, Appl	348	126	5.0	219	4	US-09-905-064-377	Sequence 377, App
276	129.5	5.1	379	4	US-09-905-125A-4	Sequence 4, Appl	Sequence 4, Appl	349	126	5.0	219	4	US-09-905-381A-377	Sequence 377, App
277	129.5	5.1	379	4	US-09-902-775A-4	Sequence 4, Appl	Sequence 4, Appl	350	126	5.0	219	4	US-09-906-618-377	Sequence 377, App
278	129.5	5.1	379	4	US-09-906-700-4	Sequence 4, Appl	Sequence 4, Appl	351	126	5.0	583	4	US-08-641-612-2	Sequence 2, Appl
279	129.5	5.1	379	4	US-09-903-603A-4	Sequence 4, Appl	Sequence 4, Appl	352	126	5.0	1487	3	US-08-840-062-7	Sequence 7, Appl
280	129.5	5.1	379	4	US-09-904-920A-4	Sequence 4, Appl	Sequence 4, Appl	353	125	5.0	1463	1	US-08-220-603A-11	Sequence 11, Appl
281	129.5	5.1	379	4	US-09-909-064-4	Sequence 4, Appl	Sequence 4, Appl	354	124.5	4.9	1138	1	US-08-323-474-8	Sequence 8, Appl
282	129.5	5.1	379	4	US-09-905-381A-4	Sequence 4, Appl	Sequence 4, Appl	355	124.5	4.9	1138	2	US-08-469-537A-98	Sequence 98, Appl
283	129.5	5.1	379	4	US-09-906-618-4	Sequence 4, Appl	Sequence 4, Appl	356	124.5	4.9	1138	2	US-08-220-240A-5	Sequence 5, Appl
284	129.5	5.1	385	1	US-08-597-545-1	Sequence 1, Appl	Sequence 1, Appl	357	124.5	4.9	1150	4	US-09-949-016-7769	Sequence 7769, Ap
285	129.5	5.1	385	1	US-08-457-135-1	Sequence 1, Appl	Sequence 1, Appl	358	124.5	4.9	4544	1	US-08-469-486-52	Sequence 52, Appl
286	129.5	5.1	385	4	US-09-142-027A-10	Sequence 10, Appl	Sequence 10, Appl	359	124.5	4.9	4544	2	US-08-469-658-52	Sequence 52, Appl
287	129.5	5.1	1810	4	US-08-793-273C-4	Sequence 4, Appl	Sequence 4, Appl	360	124	4.9	177	1	US-08-181-271A-46	Sequence 46, Appl
288	129.5	5.1	1810	5	PCT-US95-11684-4	Sequence 4, Appl	Sequence 4, Appl	361	124	4.9	177	1	US-08-449-315-46	Sequence 46, Appl
289	129	5.1	111	6	5514582-11	Patent No. 5514582	Patent No. 5514582	362	124	4.9	177	1	US-08-444-803-46	Sequence 46, Appl
290	129	5.1	111	6	5514582-11	Patent No. 5514582	Patent No. 5514582	363	124	4.9	177	1	US-08-449-043-46	Sequence 46, Appl
291	129	5.1	299	3	US-09-188-930-192	Sequence 192, App	Sequence 192, App	364	124	4.9	177	1	US-08-456-265A-46	Sequence 46, Appl
292	129	5.1	299	3	US-09-188-930-332	Sequence 332, App	Sequence 332, App	365	124	4.9	177	1	US-08-455-416-46	Sequence 46, Appl
293	129	5.1	299	4	US-09-312-283C-192	Sequence 192, App	Sequence 192, App	366	124	4.9	177	1	US-08-455-244-46	Sequence 46, Appl
294	129	5.1	299	4	US-09-312-283C-332	Sequence 332, App	Sequence 332, App	367	124	4.9	177	1	US-08-454-876-46	Sequence 46, Appl
295	129	5.1	1135	2	US-08-469-537A-97	Sequence 97, Appl	Sequence 97, Appl	368	124	4.9	177	2	US-08-457-364-46	Sequence 46, Appl
296	128.5	5.1	114	6	5514582-13	Patent No. 5514582	Patent No. 5514582	369	124	4.9	177	2	US-08-456-262-46	Sequence 46, Appl
297	128.5	5.1	114	6	5514582-13	Patent No. 5514582	Patent No. 5514582	370	124	4.9	177	2	US-08-456-240-46	Sequence 46, Appl
298	128.5	5.1	220	4	US-09-541-759-4	Sequence 4, Appl	Sequence 4, Appl	371	124	4.9	177	2	US-08-455-736-46	Sequence 46, Appl
299	128.5	5.1	1576	4	US-09-562-702A-24	Sequence 24, Appl	Sequence 24, Appl	372	124	4.9	177	2	US-08-971-217-46	Sequence 46, Appl
300	128.5	5.1	1576	4	US-09-561-818A-24	Sequence 24, Appl	Sequence 24, Appl	373	124	4.9	177	3	US-08-971-217-46	Sequence 46, Appl
301	128.5	5.1	1584	4	US-09-562-702A-28	Sequence 28, Appl	Sequence 28, Appl	374	124	4.9	177	4	US-09-350-600-46	Sequence 46, Appl
302	128.5	5.1	1609	4	US-09-562-702A-22	Sequence 22, Appl	Sequence 22, Appl	375	123.5	4.9	114	6	5514582-8	Patent No. 5514582
303	128.5	5.1	1609	4	US-09-561-818A-22	Sequence 22, Appl	Sequence 22, Appl	376	123.5	4.9	114	6	5514582-8	Patent No. 5514582
304	128.5	5.1	1609	4	US-09-538-092-900	Sequence 900, App	Sequence 900, App	377	123.5	4.9	1068	3	US-08-872-855-10	Sequence 10, Appl
305	128.5	5.1	1617	4	US-09-562-702A-26	Sequence 26, Appl	Sequence 26, Appl	378	123.5	4.9	1068	3	US-08-537-210A-2	Sequence 2, Appl
306	128.5	5.1	3075	2	US-08-460-309-5	Sequence 5, Appl	Sequence 5, Appl	379	123.5	4.9	1068	3	US-09-113-825-2	Sequence 2, Appl
307	128.5	5.1	3075	2	US-08-125-077-5	Sequence 2, Appl	Sequence 2, Appl	380	123.5	4.9	1358	1	US-08-404-655-4	Sequence 4, Appl
308	128.5	5.1	3571	4	US-09-911-842A-2	Sequence 2, Appl	Sequence 2, Appl	381	123.5	4.9	1358	1	US-08-404-671-4	Sequence 4, Appl
309	128	5.1	1572	4	US-09-562-702A-32	Sequence 32, Appl	Sequence 32, Appl	382	123.5	4.9	124	2	US-08-404-781-4	Sequence 4, Appl
310	128	5.1	1572	4	US-09-561-818A-32	Sequence 32, Appl	Sequence 32, Appl	383	123	4.9	144	4	US-07-857-224B-113	Sequence 113, App
311	128	5.1	1605	4	US-09-562-702A-30	Sequence 30, Appl	Sequence 30, Appl	384	123	4.9	144	4	US-09-949-016-10685	Sequence 10685, A
312	128	5.1	1605	4	US-09-561-818A-26	Sequence 26, Appl	Sequence 26, Appl	385	123	4.9	166	4	US-09-949-016-6286	Sequence 6286, Ap
313	127.5	5.0	197	4	US-09-602-877A-99	Sequence 99, Appl	Sequence 99, Appl	386	123	4.9	204	5	PCT-US96-07709-33	Sequence 33, Appl
314	127.5	5.0	1193	4	US-09-949-016-10498	Sequence 10498, A	Sequence 10498, A	387	123	4.9	220	5	PCT-US96-07709-30	Sequence 30, Appl
315	127.5	5.0	1198	3	US-09-245-041-131	Sequence 131, App	Sequence 131, App	388	123	4.9	228	5	PCT-US96-07709-25	Sequence 25, Appl
316	127.5	5.0	1198	3	US-09-794-236-3	Sequence 3, Appl	Sequence 3, Appl	389	123	4.9	678	1	US-08-282-141-2	Sequence 2, Appl
317	127.5	5.0	1198	4	US-09-358-055B-132	Sequence 132, App	Sequence 132, App	390	123	4.9	678	1	US-08-435-434-2	Sequence 2, Appl
318	127.5	5.0	1350	3	US-09-245-041-17	Sequence 17, Appl	Sequence 17, Appl	391	123	4.9	678	1	US-08-435-436-2	Sequence 2, Appl
319	127.5	5.0	1350	4	US-09-358-055B-17	Sequence 17, Appl	Sequence 17, Appl	392	123	4.9	678	2	US-08-438-863-2	Sequence 2, Appl

393	123	4.9	678	2	US-08-438-864-2	Sequence 2, Appli	466	113.5	4.5	215	1	US-08-312-870-5	Sequence 5, Appli
394	123	4.9	678	3	US-08-438-862-2	Sequence 2, Appli	467	113.5	4.5	446	1	US-08-307-444A-5	Sequence 5, Appli
395	123	4.9	678	3	US-08-628-747-2	Sequence 2, Appli	468	113.5	4.5	446	1	US-08-587-389-5	Sequence 5, Appli
396	123	4.9	678	3	US-08-402-253-2	Sequence 2, Appli	469	113.5	4.5	456	1	US-08-307-444A-3	Sequence 3, Appli
397	123	4.9	678	3	US-08-443-866B-2	Sequence 2, Appli	470	113.5	4.5	456	1	US-08-307-444A-4	Sequence 4, Appli
398	123	4.9	1935	4	US-09-949-016-10403	Sequence 10403, A	471	113.5	4.5	456	1	US-08-587-389-3	Sequence 3, Appli
399	122.5	4.8	329	4	US-09-248-796A-15096	Sequence 15096, A	472	113.5	4.5	456	1	US-08-587-389-4	Sequence 4, Appli
400	122.5	4.8	383	4	US-09-142-027A-12	Sequence 12, Appli	473	113.5	4.5	475	1	US-08-307-444A-1	Sequence 1, Appli
401	122.5	4.8	585	4	US-09-641-612-5	Sequence 5, Appli	474	113.5	4.5	475	1	US-08-307-444A-2	Sequence 2, Appli
402	122.5	4.8	1015	1	US-08-537-210A-1	Sequence 1, Appli	475	113.5	4.5	475	1	US-08-587-389-1	Sequence 1, Appli
403	122.5	4.8	1015	3	US-09-113-825-1	Sequence 1, Appli	476	113.5	4.5	475	1	US-08-587-389-2	Sequence 2, Appli
404	122	4.8	1449	3	US-08-840-062-6	Sequence 6, Appli	477	113.5	4.5	476	1	US-08-014-723-1	Sequence 1, Appli
405	122	4.8	1723	4	US-09-194-612A-31	Sequence 31, Appli	478	113.5	4.5	476	1	US-08-014-723-2	Sequence 2, Appli
406	121.5	4.8	273	3	US-09-111-470-10	Sequence 10, Appli	479	113.5	4.5	476	1	US-08-014-723-18	Sequence 18, Appli
407	121.5	4.8	273	3	US-09-862-802A-10	Sequence 10, Appli	480	113.5	4.5	476	1	US-08-110-011A-1	Sequence 1, Appli
408	121.5	4.8	292	2	US-08-688-342-4	Sequence 4, Appli	481	113.5	4.5	476	1	US-08-110-011A-2	Sequence 2, Appli
409	121.5	4.8	292	2	US-09-113-788-4	Sequence 4, Appli	482	113.5	4.5	476	1	US-08-110-011A-18	Sequence 18, Appli
410	121.5	4.8	292	4	US-09-862-802A-12	Sequence 12, Appli	483	113.5	4.5	494	1	US-08-014-723-14	Sequence 14, Appli
411	121.5	4.8	735	3	US-09-191-647-9	Sequence 9, Appli	484	113.5	4.5	494	1	US-08-014-723-16	Sequence 16, Appli
412	121.5	4.8	735	3	US-09-540-245A-9	Sequence 9, Appli	485	113.5	4.5	494	1	US-08-110-011A-14	Sequence 14, Appli
413	121.5	4.8	735	3	US-09-540-153-9	Sequence 9, Appli	486	113.5	4.5	494	1	US-08-110-011A-16	Sequence 16, Appli
414	121.5	4.8	2871	4	US-09-538-032-1076	Sequence 1076, Ap	487	113.5	4.5	497	1	US-08-312-870-3	Sequence 3, Appli
415	121	4.8	166	2	US-08-729-103-4	Sequence 4, Appli	488	113.5	4.5	497	4	US-09-331-793-4	Sequence 4, Appli
416	121	4.8	174	4	US-09-949-016-10686	Sequence 10686, A	489	113.5	4.5	498	2	US-08-733-564-2	Sequence 2, Appli
417	121	4.8	243	3	US-09-191-647-14	Sequence 14, Appli	490	113.5	4.5	516	4	US-09-509-994-1	Sequence 1, Appli
418	121	4.8	243	3	US-09-540-245A-14	Sequence 14, Appli	491	113.5	4.5	516	4	US-09-509-994-2	Sequence 2, Appli
419	121	4.8	243	3	US-09-540-153-14	Sequence 14, Appli	492	113.5	4.5	575	1	US-08-261-206A-59	Sequence 59, Appli
420	121	4.8	404	3	US-09-517-605-2	Sequence 2, Appli	493	113.5	4.5	575	1	US-08-312-870-1	Sequence 1, Appli
421	120.5	4.8	112	6	US-07-857-224B-109	Patent No. 5514582	494	113.5	4.5	575	4	US-09-880-484D-2	Sequence 2, Appli
422	119.5	4.7	114	6	5514582-10	Patent No. 5514582	495	113.5	4.5	575	6	US-10-438-648-2	Patent No. 5466668
423	119.5	4.7	114	6	5514582-10	Patent No. 5514582	496	113.5	4.5	575	6	5466668-6	Patent No. 5466668
424	119	4.7	196	3	US-08-981-392-35	Sequence 35, Appli	497	113.5	4.5	575	3	5466668-6	Patent No. 5466668
425	119	4.7	196	3	US-09-908-322-35	Sequence 35, Appli	498	113	4.5	276	3	US-08-981-392-43	Sequence 43, Appli
426	118.5	4.7	323	4	US-09-065-040-4	Sequence 4, Appli	499	113	4.5	276	4	US-09-908-322-43	Sequence 43, Appli
427	118.5	4.7	323	4	US-09-949-016-6294	Sequence 6294, Ap	500	113	4.5	376	4	US-09-348-796A-15097	Sequence 15097, A
428	118.5	4.7	1260	3	US-09-245-041-2	Sequence 2, Appli	501	112.5	4.4	110	6	5514582-12	Patent No. 5514582
429	118.5	4.7	1260	4	US-09-358-058B-2	Sequence 2, Appli	502	112.5	4.4	110	6	5514582-12	Patent No. 5514582
430	118.5	4.7	1260	4	US-09-893-238-2	Sequence 2, Appli	503	112.5	4.4	810	2	US-08-820-170A-34	Sequence 34, Appli
431	118.5	4.7	2123	4	US-09-949-016-7517	Sequence 7517, Ap	504	112.5	4.4	810	3	US-09-055-699-34	Sequence 34, Appli
432	118.5	4.7	3070	4	US-09-961-403-7	Sequence 7, Appli	505	112.5	4.4	810	3	US-09-273-565-34	Sequence 34, Appli
433	118.5	4.7	3084	4	US-09-562-702A-12	Sequence 12, Appli	506	112.5	4.4	810	3	US-09-565-538-34	Sequence 34, Appli
434	118.5	4.7	3088	4	US-09-562-702A-8	Sequence 8, Appli	507	112.5	4.4	810	3	US-09-661-468-34	Sequence 34, Appli
435	118.5	4.7	3089	4	US-09-562-702A-4	Sequence 4, Appli	508	112.5	4.4	810	4	US-09-976-165-34	Sequence 34, Appli
436	118.5	4.7	3106	4	US-09-562-702A-10	Sequence 10, Appli	509	112	4.4	165	2	US-08-401-530A-7	Sequence 7, Appli
437	118.5	4.7	3110	4	US-09-562-702A-2	Sequence 2, Appli	510	112	4.4	185	2	US-08-729-103-3	Sequence 3, Appli
438	118.5	4.7	3110	4	US-09-562-702A-6	Sequence 6, Appli	511	112	4.4	185	2	US-08-709-662-7	Sequence 7, Appli
439	118.5	4.7	3110	4	US-09-561-709B-7	Sequence 7, Appli	512	112	4.4	179	4	US-09-148-545-177	Sequence 177, App
440	118.5	4.7	3110	4	US-09-917-254-86	Sequence 86, Appli	513	112	4.4	192	3	US-08-981-392-65	Sequence 65, Appli
441	118.5	4.7	3110	4	US-09-949-016-5937	Sequence 5937, Ap	514	112	4.4	192	4	US-09-908-322-65	Sequence 65, Appli
442	118.5	4.7	3111	2	US-08-460-309-4	Sequence 4, Appli	515	112	4.4	716	3	US-09-312-283C-183	Sequence 183, App
443	118.5	4.7	3111	2	US-08-125-077-4	Sequence 4, Appli	516	112	4.4	771	3	US-09-188-930-183	Sequence 183, App
444	117.5	4.6	652	2	US-08-751-305-2	Sequence 2, Appli	517	111.5	4.4	3647	4	US-09-949-016-10932	Sequence 10932, A
445	117	4.6	214	4	US-09-257-583-15	Sequence 15, Appli	518	111	4.4	816	2	US-08-820-170A-37	Sequence 37, Appli
446	116.5	4.6	994	4	US-10-164-595-38	Sequence 38, Appli	519	111	4.4	816	3	US-09-055-699-37	Sequence 37, Appli
447	116.5	4.6	1854	4	US-09-949-016-11625	Sequence 11625, A	520	111	4.4	816	3	US-09-273-565-37	Sequence 37, Appli
448	116	4.6	174	1	US-07-641-971B-1	Sequence 1, Appli	521	111	4.4	816	3	US-09-565-538-37	Sequence 37, Appli
449	116	4.6	174	1	US-07-781-248A-1	Sequence 1, Appli	522	111	4.4	816	3	US-09-661-468-37	Sequence 37, Appli
450	116	4.6	320	1	US-08-365-103B-10	Sequence 10, Appli	523	111	4.4	816	4	US-09-976-165-37	Sequence 37, Appli
451	116	4.6	321	1	US-08-365-103B-8	Sequence 8, Appli	524	110.5	4.4	158	2	US-08-729-103-1	Sequence 1, Appli
452	115.5	4.6	131	2	US-08-650-598-3	Sequence 3, Appli	525	110.5	4.4	158	2	US-08-468-413-2	Sequence 2, Appli
453	115.5	4.6	647	4	US-09-949-016-10272	Sequence 10272, A	526	110.5	4.4	158	2	US-09-162-508-2	Sequence 2, Appli
454	115	4.5	1722	4	US-09-194-612A-1	Sequence 1, Appli	527	110.5	4.4	158	5	PCT-US95-07169-2	Sequence 68, Appli
455	114.5	4.5	1326	4	US-09-949-016-6806	Sequence 6806, Ap	528	110	4.3	157	3	US-08-981-392-68	Sequence 68, Appli
456	114.5	4.5	1339	4	US-09-949-016-10448	Sequence 10448, A	529	110	4.3	157	4	US-09-908-322-68	Sequence 28, Appli
457	114.5	4.5	1478	4	US-09-949-016-8315	Sequence 8315, Ap	530	110	4.3	375	4	US-09-600-932-29	Sequence 29, Appli
458	114	4.5	593	1	US-07-668-648-4	Sequence 4, Appli	531	110	4.3	380	4	US-09-205-258-441	Sequence 441, App
459	114	4.5	593	2	US-08-429-998-4	Sequence 4, Appli	532	110	4.3	1171	1	US-08-445-135-1	Sequence 11, Appli
460	114	4.5	593	2	US-08-431-333-4	Sequence 4, Appli	533	110	4.3	1798	4	US-09-561-709B-11	Sequence 11, Appli
461	114	4.5	593	5	PCT-US91-02321-4	Sequence 4, Appli	534	109.5	4.3	248	4	US-09-600-932-28	Sequence 28, Appli
462	114	4.5	613	4	US-09-949-016-9775	Sequence 9775, Ap	535	109.5	4.3	248	4	US-09-949-016-6612	Sequence 6612, Ap
463	114	4.5	799	1	US-08-054-077C-2	Sequence 2, Appli	536	109.5	4.3	251	4	US-09-949-016-8481	Sequence 8481, A
464	114	4.5	1587	4	US-09-845-583A-10	Sequence 10, Appli	537	109.5	4.3	251	4	US-09-949-016-9058	Sequence 9058, Ap
465	114	4.5	1587	4	US-09-561-709B-3	Sequence 3, Appli	538	109.5	4.3	259	4	US-09-949-016-9059	Sequence 9059, Ap

539	109.5	4.3	2211	3	US-09-738-884-1	Sequence 1, Appl	612	104	4.1	194	4	US-09-312-283C-335	Sequence 335, App
540	109.5	4.3	2211	4	US-10-096-961A-1	Sequence 1, Appl	613	104	4.1	460	6	5270178-16	Patent No. 5270178
541	109	4.3	593	4	US-08-991-862-17	Sequence 17, Appl	614	104	4.1	460	6	5270178-16	Patent No. 5270178
542	109	4.3	593	3	US-09-813-156-17	Sequence 17, Appl	615	104	4.1	463	2	US-08-162-402B-9	Sequence 9, Appl
543	109	4.3	593	4	US-09-456-886-17	Sequence 17, Appl	616	104	4.1	908	4	US-08-714-741-44	Sequence 44, Appl
544	109	4.3	593	4	US-09-824-647-17	Sequence 17, Appl	617	104	4.1	1725	4	US-09-560-385A-10	Sequence 10, Appl
545	109	4.3	784	4	US-09-949-016-9467	Sequence 9467, Ap	618	103.5	4.1	768	1	US-08-454-455-4	Sequence 4, Appl
546	109	4.3	3460	3	US-09-334-220-1	Sequence 1, Appl	619	103.5	4.1	1111	1	US-08-317-450B-15	Sequence 15, Appl
547	108.5	4.3	485	4	US-09-943-016-10882	Sequence 10882, A	620	103.5	4.1	1111	3	US-08-800-593-15	Sequence 15, Appl
548	108.5	4.3	700	4	US-08-933-711B-5	Sequence 5, Appl	621	103.5	4.1	1172	4	US-09-560-385A-28	Sequence 28, Appl
549	108	4.3	495	4	US-10-006-011A-4	Sequence 4, Appl	622	103.5	4.1	1172	4	US-09-560-385A-32	Sequence 32, Appl
550	108	4.3	705	4	US-10-006-011A-7	Sequence 3, Appl	623	103.5	4.1	1193	3	US-08-317-450B-13	Sequence 13, Appl
551	107.5	4.3	178	4	US-09-706-722A-3	Sequence 7, Appl	624	103.5	4.1	1193	3	US-08-800-593-13	Sequence 13, Appl
552	107.5	4.3	577	2	US-07-728-215-29	Sequence 29, Appl	625	103.5	4.1	1193	4	US-09-560-385A-26	Sequence 26, Appl
553	107.5	4.3	577	3	US-08-938-085A-29	Sequence 29, Appl	626	103.5	4.1	1193	4	US-09-560-385A-30	Sequence 30, Appl
554	107.5	4.3	577	4	US-10-072-844-29	Sequence 29, Appl	627	103	4.1	122	3	US-08-722-126A-9	Sequence 9, Appl
555	107.5	4.3	577	4	US-10-072-838-29	Sequence 29, Appl	628	103	4.1	122	5	PCT-US95-04258-9	Sequence 9, Appl
556	107.5	4.3	577	4	US-10-072-841A-29	Sequence 29, Appl	629	103	4.1	139	4	US-09-248-796A-15094	Sequence 15094, A
557	107.5	4.3	577	4	US-10-072-841A-31	Sequence 29, Appl	630	103	4.1	575	4	US-09-949-016-8536	Sequence 8536, Ap
558	107.5	4.3	577	4	US-10-219-631A-31	Sequence 29, Appl	631	103	4.1	614	4	US-09-482-273-159	Sequence 273, Appl
559	107.5	4.3	758	4	US-09-949-016-6963	Sequence 6963, Ap	632	103	4.1	614	4	US-09-482-273-245	Sequence 273, Appl
560	107.5	4.3	769	2	US-08-789-078-1	Sequence 1, Appl	633	103	4.1	788	2	US-07-728-215-27	Sequence 27, Appl
561	107.5	4.3	769	2	US-08-752-633-1	Sequence 1, Appl	634	103	4.1	788	3	US-08-938-085A-27	Sequence 27, Appl
562	107.5	4.3	769	2	US-08-476-062A-45	Sequence 45, Appl	635	103	4.1	788	3	US-10-072-844-27	Sequence 27, Appl
563	107.5	4.3	769	2	US-07-728-215-31	Sequence 31, Appl	636	103	4.1	788	4	US-10-072-838-27	Sequence 27, Appl
564	107.5	4.3	769	3	US-08-938-085A-31	Sequence 31, Appl	637	103	4.1	788	4	US-10-072-841A-27	Sequence 27, Appl
565	107.5	4.3	769	4	US-10-072-844-31	Sequence 31, Appl	638	103	4.1	788	4	US-10-219-631A-27	Sequence 27, Appl
566	107.5	4.3	769	4	US-10-072-838-31	Sequence 31, Appl	639	103	4.1	794	4	US-09-949-016-10746	Sequence 10746, A
567	107.5	4.3	769	4	US-10-072-841A-31	Sequence 31, Appl	640	103	4.1	1147	1	US-08-144-121-3	Sequence 3, Appl
568	107.5	4.3	769	4	US-10-219-631A-31	Sequence 31, Appl	641	103	4.1	1147	2	US-08-735-893-3	Sequence 2, Appl
569	107.5	4.3	769	5	PCT-US95-04886-1	Sequence 1, Appl	642	103	4.1	1165	2	US-08-144-121-2	Sequence 2, Appl
570	107.5	4.3	769	5	PCT-US96-01314-45	Sequence 45, Appl	643	103	4.1	1165	2	US-08-735-893-2	Sequence 2, Appl
571	107	4.2	718	1	US-08-444-792-4	Sequence 4, Appl	644	102.5	4.1	351	3	US-09-245-041-11	Sequence 11, Appl
572	107	4.2	718	1	US-08-445-042-4	Sequence 4, Appl	645	102.5	4.1	351	4	US-09-358-055B-11	Sequence 11, Appl
573	107	4.2	788	2	US-07-728-215-32	Sequence 32, Appl	646	102.5	4.1	351	4	US-09-893-238-11	Sequence 11, Appl
574	107	4.2	788	3	US-08-938-085A-32	Sequence 32, Appl	647	102.5	4.1	409	3	US-09-065-872-2	Sequence 2, Appl
575	107	4.2	788	3	US-09-409-648-3	Sequence 3, Appl	648	102.5	4.1	409	4	US-09-667-570A-2	Sequence 2, Appl
576	107	4.2	788	3	US-09-409-648-4	Sequence 4, Appl	649	102.5	4.1	410	3	US-09-065-872-1	Sequence 1, Appl
577	107	4.2	788	4	US-10-072-844-32	Sequence 32, Appl	650	102.5	4.1	410	4	US-09-667-570A-1	Sequence 1, Appl
578	107	4.2	788	4	US-10-072-838-32	Sequence 32, Appl	651	102.5	4.1	419	1	US-08-295-411-1	Sequence 1, Appl
579	107	4.2	788	4	US-10-072-841A-32	Sequence 32, Appl	652	102.5	4.1	419	2	US-08-955-471-1	Sequence 1, Appl
580	107	4.2	788	4	US-09-054-272-8	Sequence 8, Appl	653	102.5	4.1	419	4	US-09-667-570A-3	Sequence 3, Appl
581	107	4.2	788	4	US-09-054-272-44	Sequence 44, Appl	654	102.5	4.1	419	4	US-10-182-263-1	Sequence 1, Appl
582	107	4.2	788	4	US-10-219-631A-32	Sequence 32, Appl	655	102.5	4.1	419	4	US-10-182-263-3	Sequence 3, Appl
583	107	4.2	788	4	US-09-949-016-5901	Sequence 5901, Ap	656	102.5	4.1	419	4	US-10-182-263-4	Sequence 4, Appl
584	106.5	4.2	157	3	US-08-872-855-6	Sequence 6, Appl	657	102.5	4.1	419	4	US-10-182-263-5	Sequence 5, Appl
585	106.5	4.2	655	1	US-08-148-910-12	Sequence 12, Appl	658	102.5	4.1	419	4	US-10-182-263-6	Sequence 6, Appl
586	106.5	4.2	655	1	US-08-448-937A-12	Sequence 12, Appl	659	102.5	4.1	419	5	PCT-US92-10242-1	Sequence 1, Appl
587	106.5	4.2	700	4	US-08-933-711B-6	Sequence 6, Appl	660	102.5	4.1	460	2	US-08-756-506-2	Sequence 2, Appl
588	106.5	4.2	999	4	US-09-747-371-2	Sequence 2, Appl	661	102.5	4.1	460	2	US-08-756-506-4	Sequence 4, Appl
589	106	4.2	72	1	US-08-450-944-7	Sequence 7, Appl	662	102.5	4.1	460	6	5270178-13	Patent No. 5270178
590	106	4.2	72	5	PCT-US96-07709-7	Sequence 7, Appl	663	102.5	4.1	460	6	5270178-14	Patent No. 5270178
591	106	4.2	160	3	US-09-191-647-5	Sequence 5, Appl	664	102.5	4.1	460	6	5270178-15	Patent No. 5270178
592	106	4.2	160	3	US-09-540-245A-5	Sequence 5, Appl	665	102.5	4.1	460	6	5270178-13	Patent No. 5270178
593	106	4.2	160	3	US-09-540-153-5	Sequence 5, Appl	666	102.5	4.1	460	6	5270178-14	Patent No. 5270178
594	106	4.2	492	3	US-09-724-864-39	Sequence 39, Appl	667	102.5	4.1	460	6	5270178-15	Patent No. 5270178
595	106	4.2	1761	4	US-09-561-709B-1	Sequence 1, Appl	668	102.5	4.1	461	4	US-10-182-263-2	Sequence 2, Appl
596	105.5	4.2	238	4	US-08-450-482B-117	Sequence 117, App	669	102.5	4.1	461	4	US-09-054-272-32	Sequence 32, Appl
597	105.5	4.2	575	1	US-08-170-290A-54	Sequence 54, Appl	670	102.5	4.1	461	4	US-09-949-016-5921	Sequence 5921, Ap
598	105.5	4.2	3635	4	US-09-845-583A-2	Sequence 2, Appl	671	102.5	4.1	461	6	5225537-2	Patent No. 5225537
599	105	4.2	197	4	US-09-370-838-206	Sequence 206, App	672	102.5	4.1	461	6	5270178-2	Patent No. 5270178
600	105	4.2	197	4	US-09-854-133-206	Sequence 206, App	673	102.5	4.1	461	6	5270178-17	Patent No. 5270178
601	105	4.2	227	4	US-08-450-482B-125	Sequence 125, App	674	102.5	4.1	461	6	5270178-18	Patent No. 5270178
602	105	4.2	229	4	US-08-450-482B-127	Sequence 127, App	675	102.5	4.1	461	6	5460953-3	Patent No. 5460953
603	105	4.2	961	4	US-09-657-472-4	Sequence 4, Appl	676	102.5	4.1	461	6	5225537-2	Patent No. 5225537
604	105	4.2	961	5	PCT-US93-11725-4	Sequence 4, Appl	677	102.5	4.1	461	6	5270178-2	Patent No. 5270178
605	104.5	4.1	238	3	US-09-111-470-8	Sequence 8, Appl	678	102.5	4.1	461	6	5270178-17	Patent No. 5270178
606	104.5	4.1	238	4	US-09-863-802A-8	Sequence 8, Appl	679	102.5	4.1	461	6	5460953-3	Patent No. 5460953
607	104.5	4.1	1656	4	US-09-949-016-7247	Sequence 7247, Ap	680	102.5	4.1	461	6	5270178-13	Patent No. 5270178
608	104.5	4.1	1798	4	US-09-845-583A-8	Sequence 8, Appl	681	102.5	4.1	798	2	US-07-728-215-30	Sequence 30, Appl
609	104.5	4.1	1798	4	US-09-917-254-87	Sequence 87, Appl	682	102.5	4.1	798	3	US-08-938-085A-30	Sequence 30, Appl
610	104.5	4.1	1621	4	US-09-949-016-5938	Sequence 5938, Ap	683	102.5	4.1	798	4	US-10-072-844-30	Sequence 30, Appl
611	104	4.1	194	3	US-09-188-930-335	Sequence 335, App	684	102.5	4.1	798	4	US-10-072-838-30	Sequence 30, Appl

685	102.5	4.1	798	4	US-10-072-841A-30	Sequence 30, Appl	758	99	3.9	80	3	US-09-051-624A-2	Sequence 2, Appl
686	102.5	4.1	798	4	US-10-219-631A-30	Sequence 30, Appl	759	99	3.9	120	1	US-08-274-661B-37	Sequence 37, Appl
687	102.5	4.1	798	4	US-09-949-016-6193	Sequence 6193, Ap	760	99	3.9	177	2	US-08-465-794-17	Sequence 17, Appl
688	102.5	4.1	798	4	US-09-086-436-6193	Sequence 30, Appl	761	99	3.9	177	3	US-09-049-813-17	Sequence 17, Appl
689	102	4.0	156	4	US-09-257-583-7	Sequence 7, Appl	762	99	3.9	199	5	PCT-US93-10418-4	Sequence 4, Appl
690	102	4.0	572	6	5256770-7	Patent No. 5256770	763	99	3.9	258	4	US-09-270-767-43579	Sequence 43579, A
691	102	4.0	572	6	5256770-7	Patent No. 5256770	764	99	3.9	321	4	US-09-270-767-45035	Sequence 45035, A
692	102	4.0	790	4	US-09-949-016-7017	Sequence 7017, Ap	765	99	3.9	610	1	US-08-365-470-3	Sequence 3, Appl
693	102	4.0	790	4	US-09-949-016-8169	Sequence 8169, Ap	766	99	3.9	610	3	US-09-209-668-19	Sequence 19, Appl
694	102	4.0	790	4	US-09-949-016-8170	Sequence 8170, Ap	767	99	3.9	610	3	US-09-209-668-19	Sequence 19, Appl
695	102	4.0	1417	3	US-08-900-230-3	Sequence 3, Appl	768	99	3.9	610	4	US-09-009-490A-89	Sequence 89, Appl
696	102	4.0	5405	3	US-08-718-388-9	Sequence 9, Appl	769	99	3.9	610	6	US-09-949-016-5942	Sequence 5942, Ap
697	101.5	4.0	448	2	US-08-884-072-1	Sequence 1, Appl	770	99	3.9	610	6	5217870-2	Patent No. 5217870
698	101.5	4.0	448	3	US-09-212-168-1	Sequence 1, Appl	771	99	3.9	696	4	US-08-933-711B-7	Sequence 7, Appl
699	101.5	4.0	448	4	US-09-403-096-4	Sequence 4, Appl	772	99	3.9	965	4	US-09-538-092-650	Sequence 550, App
700	101.5	4.0	504	4	US-09-949-016-7403	Sequence 7403, Ap	773	99	3.9	4302	3	US-08-658-136-5	Sequence 5, Appl
701	101.5	4.0	663	4	US-08-933-711B-16	Sequence 16, Appl	774	98.5	3.9	78	1	US-08-264-534-2	Sequence 2, Appl
702	101	4.0	320	3	US-09-183-861-22	Sequence 22, Appl	775	98.5	3.9	78	1	US-08-083-590A-15	Sequence 15, Appl
703	101	4.0	320	3	US-09-183-861-55	Sequence 55, Appl	776	98.5	3.9	78	1	US-08-465-500-2	Sequence 2, Appl
704	101	4.0	320	3	US-09-022-765-22	Sequence 22, Appl	777	98.5	3.9	78	2	US-08-346-126-2	Sequence 2, Appl
705	101	4.0	320	3	US-09-022-765-55	Sequence 55, Appl	778	98.5	3.9	78	2	US-08-346-128-2	Sequence 2, Appl
706	101	4.0	320	4	US-09-551-974A-22	Sequence 22, Appl	779	98.5	3.9	78	3	US-08-532-384-15	Sequence 15, Appl
707	101	4.0	320	4	US-09-551-974A-55	Sequence 55, Appl	780	98.5	3.9	78	3	US-08-893-828-2	Sequence 2, Appl
708	101	4.0	320	4	US-09-565-501A-22	Sequence 22, Appl	781	98.5	3.9	174	2	US-08-401-530A-6	Sequence 6, Appl
709	101	4.0	320	4	US-09-565-501A-55	Sequence 55, Appl	782	98.5	3.9	174	2	US-08-709-662-6	Sequence 6, Appl
710	101	4.0	320	4	US-09-639-206A-22	Sequence 22, Appl	783	98.5	3.9	234	3	US-09-040-483-5	Sequence 5, Appl
711	101	4.0	320	4	US-09-639-206A-55	Sequence 55, Appl	784	98.5	3.9	234	3	US-08-740-036-5	Sequence 5, Appl
712	101	4.0	320	4	US-09-874-923-22	Sequence 22, Appl	785	98.5	3.9	314	2	US-08-460-309-19	Sequence 19, Appl
713	101	4.0	320	4	US-09-874-923-55	Sequence 55, Appl	786	98.5	3.9	314	2	US-08-125-077-19	Sequence 19, Appl
714	101	4.0	320	4	US-08-798-841-22	Sequence 22, Appl	787	98.5	3.9	325	4	US-09-949-016-11467	Sequence 11467, A
715	101	4.0	673	1	US-08-282-141-3	Sequence 3, Appl	788	98.5	3.9	325	4	US-09-949-016-11468	Sequence 11468, A
716	101	4.0	673	1	US-08-435-434-1	Sequence 1, Appl	789	98.5	3.9	352	4	US-09-949-016-8273	Sequence 8273, Ap
717	101	4.0	673	1	US-08-435-436-1	Sequence 1, Appl	790	98.5	3.9	352	4	US-09-949-016-8274	Sequence 8274, Ap
718	101	4.0	673	2	US-08-438-863-1	Sequence 1, Appl	791	98.5	3.9	353	4	US-09-482-273-243	Sequence 243, App
719	101	4.0	673	2	US-08-438-864-1	Sequence 1, Appl	792	98.5	3.9	387	2	US-08-884-072-5	Sequence 5, Appl
720	101	4.0	673	3	US-08-438-862-1	Sequence 1, Appl	793	98.5	3.9	387	2	US-08-833-963C-9	Sequence 9, Appl
721	101	4.0	673	3	US-08-628-747-1	Sequence 1, Appl	794	98.5	3.9	387	3	US-08-980-514-3	Sequence 3, Appl
722	101	4.0	673	3	US-08-402-253-1	Sequence 1, Appl	795	98.5	3.9	387	3	US-09-212-168-5	Sequence 5, Appl
723	101	4.0	673	3	US-08-443-866B-1	Sequence 1, Appl	796	98.5	3.9	387	4	US-09-409-096-2	Sequence 2, Appl
724	101	4.0	676	3	US-08-630-172-10	Sequence 10, Appl	797	98.5	3.9	493	4	US-09-322-357-1	Sequence 2, Appl
725	101	4.0	676	3	US-09-375-419-10	Sequence 10, Appl	798	98.5	3.9	857	2	US-08-659-251-2	Sequence 2, Appl
726	101	4.0	709	4	US-09-874-923-121	Sequence 121, App	799	98.5	3.9	857	3	US-09-256-490-2	Sequence 2, Appl
727	101	4.0	781	4	US-09-949-016-6959	Sequence 6959, Ap	800	98.5	3.9	857	5	PCT-US96-11445-2	Sequence 2, Appl
728	101	4.0	970	4	US-09-949-016-10131	Sequence 10131, Ap	801	98	3.9	117	6	5514582-15	Patent No. 5514582
729	101	4.0	1106	4	US-09-949-016-3626	Sequence 9626, Ap	802	98	3.9	117	6	5514582-15	Patent No. 5514582
730	101	4.0	4302	3	US-09-052-469-8	Sequence 8, Appl	803	98	3.9	448	4	US-09-349-016-10130	Sequence 10130, A
731	101	4.0	4302	4	US-08-422-582-8	Sequence 8, Appl	804	97.5	3.9	277	4	US-09-600-932-2	Sequence 2, Appl
732	101	4.0	4302	4	US-09-052-262-8	Sequence 8, Appl	805	97.5	3.9	638	2	US-08-897-443-1	Sequence 1, Appl
733	101	4.0	4303	2	US-08-460-751-2	Sequence 2, Appl	806	97.5	3.9	677	4	US-09-949-016-11369	Sequence 11369, A
734	101	4.0	4303	4	US-09-479-467A-2	Sequence 2, Appl	807	97.5	3.9	677	4	US-09-949-016-11370	Sequence 11370, A
735	101	4.0	4339	3	US-09-052-469-6	Sequence 6, Appl	808	97.5	3.9	677	4	US-09-949-016-11371	Sequence 11371, A
736	101	4.0	4339	4	US-08-422-582-6	Sequence 6, Appl	809	97.5	3.9	677	4	US-09-949-016-11372	Sequence 11372, A
737	101	4.0	4339	4	US-09-052-262-6	Sequence 6, Appl	810	97.5	3.9	963	4	US-09-949-016-11519	Sequence 11519, A
738	100.5	4.0	1461	4	US-10-142-231-86	Sequence 86, Appl	811	97.5	3.9	963	4	US-09-949-016-11520	Sequence 11520, A
739	100	4.0	243	2	US-08-460-309-15	Sequence 15, Appl	812	97.5	3.9	1073	4	US-09-949-016-9771	Sequence 9771, Ap
740	100	4.0	243	2	US-08-125-077-15	Sequence 15, Appl	813	97.5	3.9	2088	4	US-09-548-372D-13	Sequence 13, Appl
741	100	4.0	244	3	US-08-772-440-2	Sequence 2, Appl	814	97.5	3.9	2088	4	US-09-548-367D-13	Sequence 13, Appl
742	100	4.0	592	4	US-08-933-711B-18	Sequence 18, Appl	815	97.5	3.9	2088	4	US-09-551-853D-13	Sequence 13, Appl
743	100	4.0	871	3	US-09-245-041-19	Sequence 19, Appl	816	97.5	3.9	2088	4	US-09-548-376D-13	Sequence 13, Appl
744	100	4.0	871	4	US-09-358-055B-19	Sequence 19, Appl	817	97.5	3.9	2088	4	US-09-548-373D-13	Sequence 13, Appl
745	100	4.0	871	4	US-09-893-238-19	Sequence 19, Appl	818	97.5	3.9	2088	4	US-09-548-366F-13	Sequence 13, Appl
746	100	4.0	1694	4	US-09-560-385A-12	Sequence 12, Appl	819	97.5	3.9	2088	4	US-09-548-368D-13	Sequence 13, Appl
747	99.5	3.9	154	3	US-09-191-647-10	Sequence 10, Appl	820	97	3.8	110	6	5514582-9	Patent No. 5514582
748	99.5	3.9	154	3	US-09-540-245A-10	Sequence 10, Appl	821	97	3.8	110	6	5514582-9	Patent No. 5514582
749	99.5	3.9	154	3	US-09-540-153-10	Sequence 10, Appl	822	97	3.8	155	4	US-09-898-554-18	Sequence 18, Appl
750	99.5	3.9	238	4	US-09-004-730A-112	Sequence 112, App	823	97	3.8	201	4	US-09-898-554-16	Sequence 16, Appl
751	99.5	3.9	238	4	US-08-981-799A-112	Sequence 112, App	824	97	3.8	363	4	US-09-898-554-20	Sequence 20, Appl
752	99.5	3.9	242	4	US-09-004-730A-119	Sequence 119, App	825	97	3.8	787	4	US-10-000-489-70	Sequence 70, Appl
753	99.5	3.9	242	4	US-08-981-799A-119	Sequence 119, App	826	97	3.8	799	2	US-08-525-940-23	Sequence 23, Appl
754	99.5	3.9	264	4	US-09-004-730A-115	Sequence 115, App	827	97	3.8	799	2	US-08-976-838-23	Sequence 23, Appl
755	99.5	3.9	264	4	US-08-981-799A-115	Sequence 115, App	828	97	3.8	881	2	US-08-525-940-21	Sequence 21, Appl
756	99.5	3.9	2476	2	US-08-276-967-2	Sequence 2, Appl	829	97	3.8	881	2	US-08-976-838-21	Sequence 21, Appl
757	99	3.9	80	3	US-08-663-191A-3	Sequence 3, Appl	830	97	3.8	915	2	US-08-525-940-18	Sequence 18, Appl

831	97	3.8	915	2	US-08-976-838-18	Sequence 18, Appl	904	95.5	3.8	846	4	US-10-072-838-33	Sequence 33, Appl
832	97	3.8	915	3	US-09-214-555B-2	Sequence 2, Appli	905	95.5	3.8	846	4	US-10-072-841A-33	Sequence 33, Appl
833	97	3.8	915	3	US-09-214-555B-7	Sequence 7, Appli	906	95.5	3.8	846	4	US-10-219-631A-33	Sequence 33, Appl
834	97	3.8	1436	4	US-09-578-063-78	Sequence 78, Appl	907	95.5	3.8	846	4	US-09-902-540-10793	Sequence 10793, A
835	97	3.8	1586	4	US-09-060-292A-44	Sequence 44, Appl	908	95.5	3.8	956	4	US-09-949-016-6215	Sequence 6215, Ap
836	97	3.8	1586	4	US-09-402-923A-44	Sequence 44, Appl	909	95.5	3.8	1049	4	US-09-538-092-72	Sequence 72, Appl
837	97	3.8	1614	4	US-09-060-299-42	Sequence 42, Appl	910	95.5	3.8	2594	3	US-08-718-388-7	Sequence 7, Appli
838	97	3.8	1614	4	US-09-402-923A-42	Sequence 42, Appl	911	95.5	3.8	5179	4	US-09-538-092-1258	Sequence 1258, Ap
839	97	3.8	1882	3	US-09-369-364A-13	Sequence 13, Appl	912	95	3.8	198	4	US-09-902-540-15333	Sequence 15333, A
840	96.5	3.8	247	4	US-09-270-767-45893	Sequence 45893, A	913	95	3.8	241	2	US-08-460-309-17	Sequence 17, Appl
841	96.5	3.8	291	2	US-08-688-342-5	Sequence 5, Appli	914	95	3.8	241	2	US-08-125-077-17	Sequence 17, Appl
842	96.5	3.8	291	3	US-09-113-788-5	Sequence 5, Appli	915	95	3.8	350	2	US-08-999-811-4	Sequence 4, Appli
843	96.5	3.8	291	3	US-09-111-470-5	Sequence 5, Appli	916	95	3.8	350	2	US-08-824-996-2	Sequence 2, Appli
844	96.5	3.8	291	4	US-09-862-802A-5	Sequence 5, Appli	917	95	3.8	350	3	US-08-042-105-4	Sequence 4, Appli
845	96.5	3.8	296	4	US-09-489-847-293	Sequence 293, App	918	95	3.8	350	3	US-08-510-133A-33	Sequence 33, Appl
846	96.5	3.8	311	4	US-09-949-016-9962	Sequence 9962, Ap	919	95	3.8	350	3	US-08-585-895-33	Sequence 33, Appl
847	96.5	3.8	335	4	US-09-312-283C-186	Sequence 186, App	920	95	3.8	350	4	US-10-084-488-4	Sequence 4, Appli
848	96.5	3.8	347	4	US-09-636-215-590	Sequence 590, App	921	95	3.8	419	2	US-08-999-811-2	Sequence 2, Appli
849	96.5	3.8	347	4	US-09-685-166A-590	Sequence 590, App	922	95	3.8	419	3	US-09-042-105-2	Sequence 2, Appli
850	96.5	3.8	347	4	US-09-679-425-590	Sequence 590, App	923	95	3.8	419	3	US-09-042-105-18	Sequence 18, Appl
851	96.5	3.8	347	4	US-09-759-143-590	Sequence 590, App	924	95	3.8	419	3	US-08-795-430-8	Sequence 8, Appli
852	96.5	3.8	347	4	US-09-651-236-590	Sequence 590, App	925	95	3.8	419	3	US-08-510-133A-35	Sequence 35, Appl
853	96.5	3.8	374	2	US-08-820-170A-25	Sequence 25, Appl	926	95	3.8	419	3	US-09-355-700-8	Sequence 8, Appli
854	96.5	3.8	374	3	US-09-055-695-25	Sequence 25, Appl	927	95	3.8	419	3	US-09-355-700-58	Sequence 58, Appl
855	96.5	3.8	374	3	US-09-273-565-25	Sequence 25, Appl	928	95	3.8	419	3	US-08-601-132-33	Sequence 33, Appl
856	96.5	3.8	374	3	US-09-565-538-25	Sequence 25, Appl	929	95	3.8	419	4	US-08-706-054A-3	Sequence 3, Appli
857	96.5	3.8	374	3	US-09-661-468-25	Sequence 25, Appl	930	95	3.8	419	4	US-08-333-239-3	Sequence 3, Appli
858	96.5	3.8	374	4	US-09-976-165-25	Sequence 25, Appl	931	95	3.8	419	4	US-08-465-968-2	Sequence 2, Appli
859	96.5	3.8	374	4	US-09-227-853A-2	Sequence 2, Appli	932	95	3.8	419	4	US-08-671-573B-33	Sequence 33, Appl
860	96.5	3.8	374	5	PCP-US95-06385-2	Sequence 2, Appli	933	95	3.8	419	4	US-09-438-046-14	Sequence 14, Appl
861	96.5	3.8	482	4	US-08-933-711B-8	Sequence 8, Appli	934	95	3.8	419	4	US-09-631-092B-33	Sequence 33, Appl
862	96.5	3.8	505	1	US-08-220-603A-10	Sequence 10, Appl	935	95	3.8	419	4	US-10-084-488-2	Sequence 2, Appli
863	96.5	3.8	657	4	US-09-949-016-11365	Sequence 11365, A	936	95	3.8	419	4	US-08-465-968-2	Sequence 2, Appli
864	96.5	3.8	657	4	US-09-949-016-11366	Sequence 11366, A	937	95	3.8	419	4	US-09-375-248-4	Sequence 4, Appli
865	96.5	3.8	657	4	US-09-949-016-11367	Sequence 11367, A	938	95	3.8	419	4	US-09-468-647A-108	Sequence 108, App
866	96.5	3.8	657	4	US-09-949-016-11368	Sequence 11368, A	939	95	3.8	419	4	US-09-534-376A-8	Sequence 8, Appli
867	96.5	3.8	1388	4	US-09-463-048A-6	Sequence 6, Appli	940	95	3.8	419	4	US-09-534-376A-58	Sequence 58, Appl
868	96.5	3.8	1497	4	US-09-060-854B-2	Sequence 2, Appli	941	95	3.8	419	4	US-09-169-079-21	Sequence 21, Appl
869	96.5	3.8	1497	4	US-09-529-904-3	Sequence 3, Appli	942	95	3.8	419	5	US-09-214-982-23	Sequence 23, Appl
870	96.5	3.8	1621	4	US-09-949-016-8450	Sequence 8450, Ap	943	95	3.8	419	5	PCT-US96-09001-2	Sequence 2, Appli
871	96	3.8	120	6	5447911-1	Patent No. 5447911	944	94.5	3.7	136	6	US-09-914-259-35	Sequence 35, Appl
872	96	3.8	120	6	5447911-1	Patent No. 5447911	945	94.5	3.7	136	6	US-09-976-594-278	Sequence 278, App
873	96	3.8	199	3	US-08-772-440-13	Sequence 13, Appl	946	95	3.8	486	4	US-09-949-016-6216	Sequence 6216, Ap
874	96	3.8	237	3	US-09-111-470-2	Sequence 2, Appli	947	95	3.8	507	4	US-09-949-016-6216	Sequence 9878, Ap
875	96	3.8	237	3	US-09-862-802A-2	Sequence 2, Appli	948	95	3.8	507	4	US-09-949-016-6216	Sequence 9878, Ap
876	96	3.8	666	3	US-09-422-869-18	Sequence 18, Appl	949	94.5	3.7	136	6	5189019-6	Patent No. 5189019
877	96	3.8	915	4	US-09-907-794A-34	Sequence 34, Appl	950	94.5	3.7	175	2	US-08-401-530A-3	Sequence 3, Appli
878	96	3.8	915	4	US-09-905-125A-34	Sequence 34, Appl	951	94.5	3.7	175	2	US-08-401-530A-3	Sequence 3, Appli
879	96	3.8	915	4	US-09-902-775A-34	Sequence 34, Appl	952	94.5	3.7	248	4	US-08-450-482B-115	Sequence 115, App
880	96	3.8	915	4	US-09-906-700-34	Sequence 34, Appl	953	94.5	3.7	513	2	US-08-480-229C-14	Sequence 14, Appl
881	96	3.8	915	4	US-09-903-603A-34	Sequence 34, Appl	954	94.5	3.7	513	2	US-08-480-229C-14	Sequence 14, Appl
882	96	3.8	915	4	US-09-904-920A-34	Sequence 34, Appl	955	94.5	3.7	513	2	US-08-659-235C-14	Sequence 14, Appl
883	96	3.8	915	4	US-09-909-064-34	Sequence 34, Appl	956	94.5	3.7	584	4	US-09-949-016-10340	Sequence 10340, A
884	96	3.8	915	4	US-09-905-381A-34	Sequence 34, Appl	957	94.5	3.7	584	4	US-09-949-016-10341	Sequence 10341, A
885	96	3.8	915	4	US-09-906-618-34	Sequence 34, Appl	958	94	3.7	119	1	US-08-340-539A-16	Sequence 16, Appl
886	96	3.8	1725	4	US-09-562-702A-20	Sequence 20, Appl	959	94	3.7	165	4	US-08-706-722A-3	Sequence 3, Appli
887	96	3.8	1725	4	US-09-561-818A-20	Sequence 20, Appl	960	94	3.7	240	4	US-10-006-011A-5	Sequence 5, Appli
888	96	3.8	1786	4	US-09-562-702A-18	Sequence 18, Appl	961	94	3.7	686	3	US-09-245-041-13	Sequence 13, Appl
889	96	3.8	1786	4	US-09-561-818A-18	Sequence 18, Appl	962	94	3.7	686	3	US-09-358-055B-13	Sequence 13, Appl
890	96	3.8	2362	4	US-09-949-016-8985	Sequence 8985, Ap	963	94	3.7	686	4	US-09-893-238-13	Sequence 13, Appl
891	95.5	3.8	123	6	5514582-19	Patent No. 5514582	964	94	3.7	1142	4	US-09-252-931A-18234	Sequence 18234, A
892	95.5	3.8	123	6	5514582-19	Patent No. 5514582	965	94	3.7	1153	4	US-09-560-385A-16	Sequence 16, Appl
893	95.5	3.8	126	3	US-08-772-440-10	Sequence 10, Appl	966	94	3.7	1170	4	US-09-561-709B-12	Sequence 12, Appl
894	95.5	3.8	161	3	US-09-011-735-6	Sequence 6, Appli	967	94	3.7	1170	4	US-09-560-385A-14	Sequence 14, Appl
895	95.5	3.8	176	3	US-08-772-440-8	Sequence 8, Appli	968	94	3.7	1196	2	US-08-144-121-4	Sequence 4, Appli
896	95.5	3.8	180	3	US-08-772-440-31	Sequence 31, Appl	969	94	3.7	1196	2	US-08-735-893-4	Sequence 4, Appli
897	95.5	3.8	317	3	US-09-383-586-20	Sequence 20, Appl	970	94	3.7	1765	4	US-09-562-702A-16	Sequence 16, Appl
898	95.5	3.8	317	3	US-09-823-038A-20	Sequence 20, Appl	971	94	3.7	1765	4	US-09-561-818A-16	Sequence 16, Appl
899	95.5	3.8	351	3	US-09-011-735-1	Sequence 1, Appli	972	94	3.7	1786	4	US-09-562-702A-14	Sequence 14, Appl
900	95.5	3.8	351	3	US-09-029-156-1	Sequence 1, Appli	973	94	3.7	1786	4	US-09-561-818A-14	Sequence 14, Appl
901	95.5	3.8	846	2	US-07-728-215-33	Sequence 33, Appl	974	94	3.7	1786	4	US-09-561-709B-9	Sequence 9, Appli
902	95.5	3.8	846	3	US-08-938-085A-33	Sequence 33, Appl	975	94	3.7	1786	4	US-09-538-092-869	Sequence 869, App
903	95.5	3.8	846	4	US-10-072-844-33	Sequence 33, Appl	976	93.5	3.7	461	3	US-08-742-877-2	Sequence 2, Appli

977	93.5	3.7	580	3	US-08-482-677-10	Sequence 10, Appl	1050	91.5	3.6	180	4	US-09-510-238A-286	Sequence 286, Appl
978	93.5	3.7	580	4	US-10-033-174-10	Sequence 10, Appl	1051	91.5	3.6	192	4	US-09-252-991A-22703	Sequence 22703, A
979	93.5	3.7	589	1	US-07-668-648-6	Sequence 6, Appl	1052	91.5	3.6	252	4	US-09-949-016-8814	Sequence 8814, Ap
980	93.5	3.7	589	2	US-08-429-998-6	Sequence 6, Appl	1053	91.5	3.6	273	1	US-08-152-019A-30	Sequence 30, Appl
981	93.5	3.7	589	3	US-08-431-333-6	Sequence 6, Appl	1054	91.5	3.6	380	3	US-08-468-846-2	Sequence 2, Appl
982	93.5	3.7	589	3	US-08-991-862-2	Sequence 2, Appl	1055	91.5	3.6	380	3	US-08-915-096A-2	Sequence 2, Appl
983	93.5	3.7	589	4	US-09-813-156-2	Sequence 2, Appl	1056	91.5	3.6	384	4	US-09-949-016-9661	Sequence 9661, Ap
984	93.5	3.7	589	4	US-09-456-886-2	Sequence 2, Appl	1057	91.5	3.6	415	1	US-08-073-531B-1	Sequence 1, Appl
985	93.5	3.7	589	4	US-09-824-647-2	Sequence 2, Appl	1058	91.5	3.6	415	1	US-08-235-411-2	Sequence 2, Appl
986	93.5	3.7	589	5	PCT-US91-02321-6	Sequence 6, Appl	1059	91.5	3.6	415	2	US-08-955-471-2	Sequence 2, Appl
987	93.5	3.7	1083	1	US-08-296-014A-2	Sequence 2, Appl	1060	91.5	3.6	415	2	US-08-766-288-1	Sequence 1, Appl
988	93.5	3.7	1083	2	US-08-596-405-2	Sequence 2, Appl	1061	91.5	3.6	415	5	PCT-US92-10242-2	Sequence 2, Appl
989	93.5	3.7	1083	2	US-08-877-620-2	Sequence 2, Appl	1062	91.5	3.6	443	2	US-08-833-963C-2	Sequence 2, Appl
990	93.5	3.7	1083	4	US-09-287-368-2	Sequence 2, Appl	1063	91.5	3.6	443	3	US-08-980-514-1	Sequence 1, Appl
991	93.5	3.7	1083	4	US-09-626-795-2	Sequence 2, Appl	1064	91.5	3.6	466	4	US-09-949-016-7792	Sequence 7792, Ap
992	93.5	3.7	1342	4	US-09-561-709B-13	Sequence 13, Appl	1065	91.5	3.6	1010	4	US-09-118-276-12	Sequence 12, Appl
993	93.5	3.7	1917	4	US-09-627-650B-5	Sequence 5, Appl	1066	91.5	3.6	1101	4	US-09-561-709B-5	Sequence 5, Appl
994	93.5	3.7	1917	4	US-09-436-063C-5	Sequence 5, Appl	1067	91	3.6	79	4	US-10-006-011A-7	Sequence 7, Appl
995	93.5	3.7	2813	4	US-09-381-261A-1	Sequence 1, Appl	1068	91	3.6	234	4	US-09-902-540-15175	Sequence 15175, A
996	93.5	3.7	4654	3	US-08-476-515A-84	Sequence 84, Appl	1069	91	3.6	247	4	US-09-898-554-14	Sequence 14, Appl
997	93.5	3.7	4655	3	US-08-652-877-84	Sequence 84, Appl	1070	91	3.6	253	4	US-09-949-016-10527	Sequence 10527, A
998	93.5	3.7	4655	3	US-08-652-877-86	Sequence 86, Appl	1071	91	3.6	418	3	US-08-795-430-13	Sequence 13, Appl
999	93.5	3.7	4655	3	US-08-652-877-88	Sequence 88, Appl	1072	91	3.6	418	3	US-09-355-700-13	Sequence 13, Appl
1000	93.5	3.7	4655	1	US-08-274-661B-36	Sequence 36, Appl	1073	91	3.6	418	4	US-09-534-376A-13	Sequence 13, Appl
1001	93	3.7	120	1	US-08-652-877-90	Sequence 90, Appl	1074	91	3.6	995	2	US-08-673-789-5	Sequence 5, Appl
1002	93	3.7	134	3	US-08-543-246B-20	Sequence 20, Appl	1075	91	3.6	997	4	US-09-747-371-3	Sequence 3, Appl
1003	93	3.7	216	3	US-08-543-246B-34	Sequence 34, Appl	1076	91	3.6	1155	4	US-09-560-385A-24	Sequence 24, Appl
1004	93	3.7	216	3	US-08-543-246B-34	Sequence 34, Appl	1077	91	3.6	1167	4	US-09-560-385A-20	Sequence 20, Appl
1005	93	3.7	589	1	US-07-668-648-2	Sequence 2, Appl	1078	91	3.6	1172	4	US-09-919-172-16	Sequence 16, Appl
1006	93	3.7	589	2	US-08-429-998-2	Sequence 2, Appl	1079	91	3.6	1174	4	US-09-560-385A-22	Sequence 22, Appl
1007	93	3.7	589	2	US-08-431-333-2	Sequence 2, Appl	1080	91	3.6	1186	4	US-09-560-385A-18	Sequence 18, Appl
1008	93	3.7	589	5	PCT-US91-02321-2	Sequence 2, Appl	1081	91	3.6	1345	2	US-08-977-767-3	Sequence 3, Appl
1009	93	3.7	750	4	US-09-270-767-42975	Sequence 42975, A	1082	91	3.6	3461	3	US-09-334-220-2	Sequence 2, Appl
1010	93	3.7	1171	4	US-09-560-385A-36	Sequence 36, Appl	1083	90.5	3.6	77	4	US-09-531-056A-22	Sequence 22, Appl
1011	93	3.7	1192	4	US-09-560-385A-34	Sequence 34, Appl	1084	90.5	3.6	230	2	US-08-471-371-2	Sequence 2, Appl
1012	93	3.7	2050	3	US-08-347-594A-2	Sequence 2, Appl	1085	90.5	3.6	559	4	US-10-136-227A-28	Sequence 28, Appl
1013	92.5	3.7	104	3	US-09-191-647-13	Sequence 13, Appl	1086	90.5	3.6	559	4	US-09-981-649A-28	Sequence 28, Appl
1014	92.5	3.7	104	3	US-09-540-245A-13	Sequence 13, Appl	1087	90.5	3.6	620	1	US-08-325-071-65	Sequence 65, Appl
1015	92.5	3.7	104	3	US-09-540-153-13	Sequence 13, Appl	1088	90.5	3.6	620	3	US-08-451-004A-65	Sequence 65, Appl
1016	92.5	3.7	248	4	US-09-252-991A-17358	Sequence 17358, A	1089	90.5	3.6	943	3	US-08-476-515A-12	Sequence 12, Appl
1017	92.5	3.7	271	1	US-08-152-019A-28	Sequence 28, Appl	1090	90.5	3.6	944	3	US-08-652-877-12	Sequence 12, Appl
1018	92.5	3.7	415	4	US-09-118-748-2	Sequence 2, Appl	1091	90.5	3.6	1019	4	US-09-902-540-15897	Sequence 15897, A
1019	92.5	3.7	457	4	US-09-774-639-108	Sequence 108, Appl	1092	90.5	3.6	1104	2	US-08-327-832-5	Sequence 5, Appl
1020	92.5	3.7	461	3	US-09-053-871A-21	Sequence 21, Appl	1093	90.5	3.6	1104	2	US-08-828-584-5	Sequence 5, Appl
1021	92.5	3.7	461	4	US-10-133-907-5	Sequence 5, Appl	1094	90.5	3.6	1242	4	US-09-488-270A-2	Sequence 2, Appl
1022	92.5	3.7	461	6	5521070-2	Patent No. 5521070	1095	90	3.6	255	4	US-10-006-011A-8	Sequence 8, Appl
1023	92.5	3.7	461	6	5521070-2	Patent No. 5521070	1096	90	3.6	284	4	US-10-006-011A-9	Sequence 9, Appl
1024	92.5	3.7	769	1	US-08-454-455-6	Sequence 6, Appl	1097	90	3.6	349	3	US-09-006-353A-13	Sequence 13, Appl
1025	92.5	3.7	769	1	US-09-949-016-11123	Sequence 11123, A	1098	90	3.6	349	4	US-09-573-986-13	Sequence 13, Appl
1026	92.5	3.7	831	4	US-09-949-016-10169	Sequence 10169, A	1099	90	3.6	357	4	US-09-949-016-9074	Sequence 9074, Ap
1027	92.5	3.7	1019	1	US-08-296-014A-4	Sequence 4, Appl	1100	90	3.6	550	4	US-09-949-016-11512	Sequence 11512, A
1028	92.5	3.7	1019	2	US-08-596-405-4	Sequence 4, Appl	1101	90	3.6	746	4	US-09-548-797B-4	Sequence 4, Appl
1029	92.5	3.7	1019	2	US-08-877-620-4	Sequence 4, Appl	1102	90	3.6	787	4	US-09-548-797B-5	Sequence 5, Appl
1030	92.5	3.7	1019	4	US-09-287-368-4	Sequence 4, Appl	1103	90	3.6	802	4	US-09-632-098-2	Sequence 2, Appl
1031	92.5	3.7	1019	4	US-09-626-795-4	Sequence 4, Appl	1104	90	3.6	802	4	US-10-177-308-2	Sequence 2, Appl
1032	92	3.6	119	1	US-08-340-539A-15	Sequence 15, Appl	1105	90	3.6	812	4	US-09-632-098-4	Sequence 4, Appl
1033	92	3.6	119	1	US-08-340-539A-18	Sequence 18, Appl	1106	90	3.6	812	4	US-10-177-308-4	Sequence 4, Appl
1034	92	3.6	169	2	US-08-460-309-20	Sequence 20, Appl	1107	90	3.6	849	4	US-09-548-797B-6	Sequence 6, Appl
1035	92	3.6	169	2	US-08-125-077-20	Sequence 20, Appl	1108	90	3.6	997	3	US-09-369-364A-7	Sequence 7, Appl
1036	92	3.6	174	2	US-08-401-530A-2	Sequence 2, Appl	1109	90	3.6	1156	3	US-08-996-083-1	Sequence 1, Appl
1037	92	3.6	174	2	US-08-709-662-2	Sequence 2, Appl	1110	90	3.6	1156	3	US-09-429-516-1	Sequence 1, Appl
1038	92	3.6	175	1	US-08-903-725-6	Sequence 6, Appl	1111	90	3.6	1156	3	US-09-429-516-3	Sequence 3, Appl
1039	92	3.6	257	4	US-09-312-283C-381	Sequence 381, Appl	1112	90	3.6	1400	3	US-08-630-915A-37	Sequence 37, Appl
1040	92	3.6	492	4	US-09-635-872A-19	Sequence 19, Appl	1113	90	3.6	1400	4	US-09-879-957-37	Sequence 37, Appl
1041	92	3.6	492	4	US-09-636-077A-19	Sequence 19, Appl	1114	90	3.6	1833	3	US-08-479-722B-2	Sequence 2, Appl
1042	92	3.6	492	4	US-09-636-060C-19	Sequence 19, Appl	1115	90	3.6	1833	4	US-09-592-685-2	Sequence 2, Appl
1043	92	3.6	492	4	US-09-985-552-19	Sequence 19, Appl	1116	90	3.6	1833	5	PCT-US95-02251-18	Sequence 18, Appl
1044	92	3.6	492	4	US-09-636-586C-19	Sequence 19, Appl	1117	90	3.6	2508	4	US-09-627-650B-7	Sequence 7, Appl
1045	92	3.6	492	4	US-10-023-894-20	Sequence 20, Appl	1118	90	3.6	2508	4	US-09-436-063C-7	Sequence 7, Appl
1046	92	3.6	492	4	US-10-306-686-19	Sequence 19, Appl	1119	89.5	3.5	115	3	US-08-722-126A-8	Sequence 8, Appl
1047	92	3.6	656	4	US-08-933-711B-15	Sequence 15, Appl	1120	89.5	3.5	115	5	PCT-US95-04258-8	Sequence 8, Appl
1048	91.5	3.6	136	2	US-08-560-098A-59	Sequence 59, Appl	1121	89.5	3.5	199	4	US-09-949-016-6129	Sequence 6129, Ap
1049	91.5	3.6	175	4	US-09-252-991A-18125	Sequence 18125, A	1122	89.5	3.5	199	5	PCT-US93-10418-2	Sequence 2, Appl

1123	89.5	3.5	205	4	US-09-949-016-10299	Sequence 10299, A	1196	87	3.4	515	4	US-09-636-596C-6	Sequence 6, Appl
1124	89.5	3.5	575	4	US-09-949-016-11264	Sequence 11264, A	1197	87	3.4	515	4	US-10-023-894-18	Sequence 18, Appl
1125	89.5	3.5	575	4	US-09-949-016-11265	Sequence 11265, A	1198	87	3.4	515	4	US-10-306-686-6	Sequence 6, Appl
1126	89.5	3.5	575	4	US-09-949-016-11266	Sequence 11266, A	1199	87	3.4	898	2	US-08-808-982-5	Sequence 5, Appl
1127	89.5	3.5	575	4	US-09-949-016-11267	Sequence 11267, A	1200	87	3.4	898	3	US-09-306-902A-5	Sequence 5, Appl
1128	89.5	3.5	879	4	US-09-872-733A-16	Sequence 16, Appl	1201	87	3.4	921	4	US-09-699-266A-9	Sequence 9, Appl
1129	89.5	3.5	1036	4	US-09-949-016-6910	Sequence 6910, Ap	1202	87	3.4	956	2	US-08-897-443-3	Sequence 3, Appl
1130	89.5	3.5	1049	4	US-09-949-016-11522	Sequence 11522, A	1203	87	3.4	2544	4	US-09-627-650B-3	Sequence 3, Appl
1131	89	3.5	274	3	US-09-188-930-336	Sequence 336, App	1204	87	3.4	2544	4	US-09-436-053C-3	Sequence 3, Appl
1132	89	3.5	274	3	US-09-312-283C-336	Sequence 336, App	1205	86.5	3.4	347	4	US-09-907-754A-148	Sequence 148, App
1133	89	3.5	430	3	US-08-997-897-2	Sequence 2, Appl	1206	86.5	3.4	347	4	US-09-905-125A-148	Sequence 148, App
1134	89	3.5	430	3	US-09-156-836B-2	Sequence 2, Appl	1207	86.5	3.4	347	4	US-09-902-775A-148	Sequence 148, App
1135	89	3.5	574	4	US-09-248-796A-15283	Sequence 15283, A	1208	86.5	3.4	347	4	US-09-906-700A-148	Sequence 148, App
1136	89	3.5	615	2	US-08-663-566A-17	Sequence 17, Appl	1209	86.5	3.4	347	4	US-09-903-603A-148	Sequence 148, App
1137	89	3.5	615	2	US-08-023-610-17	Sequence 17, Appl	1210	86.5	3.4	347	4	US-09-904-920A-148	Sequence 148, App
1138	89	3.5	615	2	US-08-288-065A-17	Sequence 17, Appl	1211	86.5	3.4	347	4	US-09-909-064A-148	Sequence 148, App
1139	89	3.5	615	2	US-08-362-240A-17	Sequence 17, Appl	1212	86.5	3.4	347	4	US-09-905-381A-148	Sequence 148, App
1140	89	3.5	615	5	PCT-US95-10245-17	Sequence 17, Appl	1213	86.5	3.4	347	4	US-09-906-618-148	Sequence 148, App
1141	89	3.5	650	1	US-08-325-071-63	Sequence 63, Appl	1214	86.5	3.4	398	4	US-09-252-991A-26217	Sequence 26217, A
1142	89	3.5	650	3	US-08-461-004A-63	Sequence 63, Appl	1215	86.5	3.4	554	4	US-10-136-227A-30	Sequence 30, Appl
1143	89	3.5	746	4	US-09-589-892B-2	Sequence 2, Appl	1216	86.5	3.4	554	4	US-09-981-649A-30	Sequence 30, Appl
1144	89	3.5	1342	1	US-07-978-895-4	Sequence 4, Appl	1217	86.5	3.4	2601	4	US-09-627-650B-9	Sequence 9, Appl
1145	89	3.5	1342	2	US-08-473-119-4	Sequence 4, Appl	1218	86	3.4	119	1	US-08-468-347-20	Sequence 20, Appl
1146	89	3.5	1342	2	US-08-475-352-4	Sequence 4, Appl	1219	86	3.4	119	1	US-08-226-264-24	Sequence 24, Appl
1147	89	3.5	1342	4	US-09-170-699-4	Sequence 4, Appl	1220	86	3.4	119	2	US-08-467-389-20	Sequence 20, Appl
1148	89	3.5	1343	6	5183884-4	Sequence 4, Appl	1221	86	3.4	119	2	US-08-779-379-20	Sequence 20, Appl
1149	89	3.5	1343	6	5183884-4	Sequence 4, Appl	1222	86	3.4	119	2	US-08-469-219-20	Sequence 20, Appl
1150	89	3.5	1360	4	US-09-949-016-8022	Sequence 8022, Ap	1223	86	3.4	119	2	US-09-228-152-19	Sequence 19, Appl
1151	89	3.5	2813	3	US-08-896-449A-2	Sequence 2, Appl	1224	86	3.4	119	3	US-09-040-483-1	Sequence 1, Appl
1152	89	3.5	2813	3	US-09-132-652-2	Sequence 2, Appl	1225	86	3.4	225	3	US-08-040-436-1	Sequence 1, Appl
1153	89	3.5	2813	4	US-09-886-900A-2	Sequence 2, Appl	1226	86	3.4	225	4	US-08-740-039-13	Sequence 13, Appl
1154	89	3.5	2813	4	US-09-662-478C-2	Sequence 2, Appl	1227	86	3.4	278	2	US-08-460-309-13	Sequence 13, Appl
1155	88.5	3.5	132	1	US-07-893-929A-5	Sequence 5, Appl	1228	86	3.4	278	2	US-08-125-077-13	Sequence 13, Appl
1156	88.5	3.5	302	5	PCT-US92-10344-5	Sequence 5, Appl	1229	86	3.4	279	1	US-08-152-019A-29	Sequence 29, Appl
1157	88.5	3.5	356	4	US-09-520-781-20	Sequence 20, Appl	1230	86	3.4	288	1	US-08-368-852-15	Sequence 15, Appl
1158	88.5	3.5	356	4	US-09-054-272-18	Sequence 18, Appl	1231	86	3.4	349	3	US-09-161-241-8	Sequence 8, Appl
1159	88.5	3.5	1170	1	US-08-313-288B-20	Sequence 20, Appl	1232	86	3.4	405	4	US-09-252-991A-30240	Sequence 30240, A
1160	88	3.5	225	4	US-08-832-488-2	Sequence 2, Appl	1233	86	3.4	410	6	5177197-1	Patent No. 5177197
1161	88	3.5	243	2	US-08-460-309-16	Sequence 16, Appl	1234	86	3.4	410	6	5177197-1	Patent No. 5177197
1162	88	3.5	243	2	US-08-125-077-16	Sequence 16, Appl	1235	86	3.4	484	2	US-08-252-493C-9	Sequence 9, Appl
1163	88	3.5	292	4	US-09-205-258-1116	Sequence 1116, Ap	1236	86	3.4	484	3	US-09-276-197-9	Sequence 9, Appl
1164	88	3.5	452	4	US-09-914-259-34	Sequence 34, Appl	1237	86	3.4	553	3	US-09-249-697A-6	Sequence 6, Appl
1165	88	3.5	480	2	US-08-480-229C-10	Sequence 10, Appl	1238	86	3.4	553	3	US-09-363-316B-6	Sequence 6, Appl
1166	88	3.5	480	2	US-08-659-235C-10	Sequence 10, Appl	1239	86	3.4	553	4	US-10-136-227A-6	Sequence 6, Appl
1167	88	3.5	771	4	US-09-784-358-14	Sequence 14, Appl	1240	86	3.4	553	4	US-09-981-649A-6	Sequence 6, Appl
1168	88	3.5	845	4	US-09-784-358-12	Sequence 12, Appl	1241	86	3.4	726	6	5208144-37	Patent No. 5208144
1169	88	3.5	1617	4	US-09-784-358-16	Sequence 16, Appl	1242	86	3.4	726	6	5208144-37	Patent No. 5208144
1170	88	3.5	1652	4	US-09-627-650B-1	Sequence 1, Appl	1243	86	3.4	995	1	US-08-162-809-18	Sequence 18, Appl
1171	88	3.5	1652	4	US-09-436-063C-1	Sequence 1, Appl	1244	86	3.4	995	1	US-09-949-016-9254	Sequence 1254, Ap
1172	88	3.5	1691	4	US-09-784-358-2	Sequence 2, Appl	1245	86	3.4	1011	1	US-08-162-809-12	Sequence 12, Appl
1173	87.5	3.5	80	4	US-09-554-119A-2	Sequence 2, Appl	1246	86	3.4	1063	1	US-08-127-439A-8	Sequence 8, Appl
1174	87.5	3.5	122	4	US-09-621-976-4812	Sequence 4812, Ap	1247	86	3.4	1063	1	US-08-482-847-8	Sequence 8, Appl
1175	87.5	3.5	221	2	US-08-480-229C-29	Sequence 29, Appl	1248	86	3.4	1394	4	US-09-949-016-5971	Sequence 5971, Ap
1176	87.5	3.5	221	2	US-08-659-235C-29	Sequence 29, Appl	1249	86	3.4	1394	6	5177197-30	Patent No. 5177197
1177	87.5	3.5	337	3	US-09-188-930-186	Sequence 186, App	1250	86	3.4	1394	6	5177197-30	Patent No. 5177197
1178	87.5	3.5	454	1	US-08-166-316-2	Sequence 2, Appl	1251	86	3.4	1451	4	US-09-060-299-25	Sequence 25, Appl
1179	87.5	3.5	717	4	US-09-644-460-37	Sequence 37, Appl	1252	86	3.4	1451	4	US-09-402-923A-25	Sequence 25, Appl
1180	87.5	3.5	911	2	US-08-484-438-10	Sequence 10, Appl	1253	86	3.4	1584	4	US-09-060-299-39	Sequence 39, Appl
1181	87.5	3.5	1005	2	US-08-469-537A-103	Sequence 103, App	1254	86	3.4	1584	4	US-09-402-923A-39	Sequence 39, Appl
1182	87.5	3.5	1058	2	US-08-484-438-4	Sequence 4, Appl	1255	86	3.4	1591	4	US-09-060-299-4	Sequence 4, Appl
1183	87.5	3.5	1308	2	US-08-484-438-2	Sequence 2, Appl	1256	86	3.4	1591	4	US-09-060-299-43	Sequence 43, Appl
1184	87.5	3.5	1340	2	US-08-644-271-30	Sequence 30, Appl	1257	86	3.4	1591	4	US-09-402-923A-43	Sequence 43, Appl
1185	87.5	3.5	1940	4	US-09-077-955-34	Sequence 34, Appl	1258	86	3.4	1615	4	US-09-060-299-3	Sequence 3, Appl
1186	87	3.4	248	3	US-09-198-603C-2	Sequence 2, Appl	1259	86	3.4	1615	4	US-09-402-923A-3	Sequence 3, Appl
1187	87	3.4	248	4	US-09-600-932-27	Sequence 27, Appl	1260	86	3.4	1639	4	US-09-060-299-29	Sequence 29, Appl
1188	87	3.4	248	4	US-09-949-016-5907	Sequence 5907, Ap	1261	86	3.4	1639	4	US-09-402-923A-29	Sequence 29, Appl
1189	87	3.4	263	4	US-09-949-016-9370	Sequence 9370, Ap	1262	86	3.4	1639	4	US-07-893-929A-7	Sequence 7, Appl
1190	87	3.4	365	4	US-09-914-259-36	Sequence 36, App	1263	85.5	3.4	130	1	US-09-949-016-10301	Sequence 10301, A
1191	87	3.4	481	4	US-09-949-016-9075	Sequence 9075, Ap	1264	85.5	3.4	130	4	US-09-949-016-10302	Sequence 10302, A
1192	87	3.4	515	4	US-09-635-877A-6	Sequence 6, Appl	1265	85.5	3.4	130	4	US-09-949-016-10303	Sequence 10303, A
1193	87	3.4	515	4	US-09-636-077A-6	Sequence 6, Appl	1266	85.5	3.4	130	4	US-09-949-016-10304	Sequence 10304, A
1194	87	3.4	515	4	US-09-636-060C-6	Sequence 6, Appl	1267	85.5	3.4	130	4	PCT-US92-10344-7	Sequence 7, Appl
1195	87	3.4	515	4	US-09-986-552-6	Sequence 6, Appl	1268	85.5	3.4	130	5		

1269	85.5	3.4	175	2	US-08-464-637-2	Sequence 2, Appli	1342	84.5	3.3	884	6	5208144-8	Patent No. 5208144
1270	85.5	3.4	175	2	US-08-401-530A-4	Sequence 4, Appli	1343	84.5	3.3	1713	3	US-08-600-982-24	Sequence 24, Appli
1271	85.5	3.4	175	2	US-08-709-662-4	Sequence 4, Appli	1344	84.5	3.3	1713	4	US-09-560-385A-6	Sequence 6, Appli
1272	85.5	3.4	175	2	US-08-822-261-3	Sequence 3, Appli	1345	84.5	3.3	1713	4	US-09-538-092-1359	Sequence 1359, Ap
1273	85.5	3.4	175	2	US-09-226-852-3	Sequence 3, Appli	1346	84.5	3.3	1713	5	PCT-US94-10261A-20	Sequence 20, Appli
1274	85.5	3.4	183	4	US-09-949-016-10537	Sequence 10537, A	1347	84	3.3	42	1	US-08-278-089A-24	Sequence 10, Appli
1275	85.5	3.4	284	4	US-09-312-283C-389	Sequence 389, A	1348	84	3.3	46	4	US-09-553-769-10	Sequence 7, Appli
1276	85.5	3.4	612	3	US-08-482-677-2	Sequence 2, Appli	1349	84	3.3	275	1	US-08-312-870-7	Sequence 315, App
1277	85.5	3.4	612	4	US-10-033-174-2	Sequence 2, Appli	1350	84	3.3	509	4	US-09-907-794A-315	Sequence 315, App
1278	85.5	3.4	697	3	US-09-724-864-54	Sequence 54, Appli	1351	84	3.3	509	4	US-09-905-125A-315	Sequence 315, App
1279	85.5	3.4	706	4	US-09-252-991A-25730	Sequence 25730, A	1352	84	3.3	509	4	US-09-902-775A-315	Sequence 315, App
1280	85.5	3.4	953	4	US-09-751-389-7	Sequence 7, Appli	1353	84	3.3	509	4	US-09-906-700-315	Sequence 315, App
1281	85.5	3.4	967	2	US-08-449-645A-30	Sequence 30, Appli	1354	84	3.3	509	4	US-09-903-603A-315	Sequence 315, App
1282	85.5	3.4	975	2	US-08-702-367A-30	Sequence 30, Appli	1355	84	3.3	509	4	US-09-904-920A-315	Sequence 315, App
1283	85.5	3.4	975	4	US-09-751-389-8	Sequence 8, Appli	1356	84	3.3	509	4	US-09-909-064-315	Sequence 315, App
1284	85.5	3.4	991	2	US-08-449-645A-13	Sequence 13, Appli	1357	84	3.3	509	4	US-09-905-381A-315	Sequence 315, App
1285	85.5	3.4	991	2	US-08-702-367A-13	Sequence 13, Appli	1358	84	3.3	509	4	US-09-906-618-315	Sequence 315, App
1286	85.5	3.4	991	5	PCT-US95-04681-13	Sequence 13, Appli	1359	84	3.3	515	4	US-09-270-767-46765	Sequence 46765, A
1287	85.5	3.4	1128	4	US-09-627-650B-11	Sequence 11, Appli	1360	84	3.3	650	1	US-08-325-071-67	Sequence 67, Appli
1288	85.5	3.4	1128	4	US-09-436-063C-11	Sequence 11, Appli	1361	84	3.3	650	3	US-08-461-004A-67	Sequence 67, Appli
1289	85.5	3.4	1133	4	US-09-902-540-12243	Sequence 12243, A	1362	84	3.3	830	1	US-08-110-158-4	Sequence 4, Appli
1290	85.5	3.4	1251	5	PCT-US95-02251-3	Sequence 3, Appli	1363	84	3.3	830	1	US-09-949-016-10271	Sequence 10271, A
1291	85.5	3.4	1252	1	US-08-199-780-3	Sequence 3, Appli	1364	84	3.3	849	4	PCT-US95-03747-3	Sequence 3, Appli
1292	85.5	3.4	1252	3	US-08-316-650-3	Sequence 3, Appli	1365	84	3.3	908	5	US-08-801-263A-3	Sequence 3, Appli
1293	85.5	3.4	1253	3	US-08-479-722B-4	Sequence 4, Appli	1366	84	3.3	1245	2	US-09-102-248-3	Sequence 3, Appli
1294	85.5	3.4	1253	4	US-09-592-685-4	Sequence 4, Appli	1367	84	3.3	1245	3	US-09-367-764-3	Sequence 3, Appli
1295	85.5	3.4	1319	4	US-09-578-063-14	Sequence 14, Appli	1368	83.5	3.3	44	1	US-08-278-089A-18	Sequence 18, Appli
1296	85.5	3.4	1413	4	US-09-578-063-13	Sequence 13, Appli	1369	83.5	3.3	44	2	US-08-838-957A-17	Sequence 17, Appli
1297	85.5	3.4	1453	4	US-09-578-063-11	Sequence 11, Appli	1370	83.5	3.3	78	4	US-09-531-056A-18	Sequence 18, Appli
1298	85.5	3.4	1724	4	US-09-560-385A-2	Sequence 2, Appli	1371	83.5	3.3	175	4	US-09-270-767-41770	Sequence 41770, A
1299	85	3.4	80	3	US-09-051-624A-1	Sequence 1, Appli	1372	83.5	3.3	346	3	US-09-034-916-2	Sequence 2, Appli
1300	85	3.4	553	3	US-09-249-697A-19	Sequence 19, Appli	1373	83.5	3.3	369	4	US-09-949-016-10311	Sequence 10311, A
1301	85	3.4	553	3	US-09-363-316B-24	Sequence 24, Appli	1374	83.5	3.3	580	3	US-08-665-259-21	Sequence 21, Appli
1302	85	3.4	553	4	US-10-136-227A-24	Sequence 24, Appli	1375	83.5	3.3	580	3	US-08-762-500-21	Sequence 21, Appli
1303	85	3.4	554	4	US-09-981-649A-24	Sequence 24, Appli	1376	83.5	3.3	647	4	US-09-725-735A-18	Sequence 18, Appli
1304	85	3.4	554	4	US-10-136-227A-32	Sequence 32, Appli	1377	83.5	3.3	858	4	US-09-206-551-18	Sequence 18, Appli
1305	85	3.4	554	4	US-09-981-649A-32	Sequence 32, Appli	1378	83.5	3.3	897	4	US-09-902-540-15636	Sequence 15636, A
1306	85	3.4	594	4	US-09-949-016-8175	Sequence 8175, Ap	1379	83.5	3.3	1045	4	US-09-949-016-11112	Sequence 11112, A
1307	85	3.4	950	4	US-10-009-332-1	Sequence 1, Appli	1380	83.5	3.3	1063	1	US-08-093-453B-3	Sequence 3, Appli
1308	85	3.4	956	4	US-09-949-016-11332	Sequence 11332, A	1381	83.5	3.3	1170	4	US-09-657-472-2	Sequence 2, Appli
1309	85	3.4	1266	4	US-08-506-296B-4	Sequence 4, Appli	1382	83	3.3	42	1	US-08-278-089A-23	Sequence 23, Appli
1310	84.5	3.3	41	2	US-08-838-957A-19	Sequence 19, Appli	1383	83	3.3	42	2	US-08-838-957A-22	Sequence 22, Appli
1311	84.5	3.3	133	4	US-09-252-991A-28869	Sequence 28869, A	1384	83	3.3	48	2	US-08-465-794-3	Sequence 3, Appli
1312	84.5	3.3	160	1	US-08-441-623-7	Sequence 7, Appli	1385	83	3.3	48	3	US-09-049-813-3	Sequence 3, Appli
1313	84.5	3.3	160	3	US-08-776-207-7	Sequence 7, Appli	1386	83	3.3	117	1	US-08-274-661B-39	Sequence 39, Appli
1314	84.5	3.3	160	3	PCT-US95-09172-7	Sequence 7, Appli	1387	83	3.3	119	2	US-08-340-530A-17	Sequence 17, Appli
1315	84.5	3.3	160	5	US-09-507-773-7	Sequence 7, Appli	1388	83	3.3	174	2	US-08-401-530A-5	Sequence 5, Appli
1316	84.5	3.3	187	4	US-09-127-946-12	Sequence 12, Appli	1389	83	3.3	174	2	US-08-709-662-5	Sequence 5, Appli
1317	84.5	3.3	216	4	US-09-252-991A-24568	Sequence 24568, A	1390	83	3.3	177	4	US-09-227-853A-13	Sequence 13, Appli
1318	84.5	3.3	287	4	US-09-525-991A-23091	Sequence 23091, A	1391	83	3.3	178	2	US-08-465-794-18	Sequence 18, Appli
1319	84.5	3.3	288	2	US-08-525-940-15	Sequence 15, Appli	1392	83	3.3	178	3	US-09-049-813-18	Sequence 4, Appli
1320	84.5	3.3	288	2	US-08-976-838-15	Sequence 15, Appli	1393	83	3.3	178	3	US-08-663-191A-4	Sequence 4, Appli
1321	84.5	3.3	366	4	US-09-270-767-36214	Sequence 36214, A	1394	83	3.3	188	1	US-07-749-001-5	Sequence 5, Appli
1322	84.5	3.3	366	4	US-09-270-767-51431	Sequence 51431, A	1395	83	3.3	188	1	US-08-154-198-5	Sequence 5, Appli
1323	84.5	3.3	575	4	US-09-252-991A-20649	Sequence 20649, A	1396	83	3.3	188	1	US-08-463-335-5	Sequence 5, Appli
1324	84.5	3.3	635	1	US-07-907-190-1	Sequence 1, Appli	1397	83	3.3	188	2	US-08-464-023A-5	Sequence 5, Appli
1325	84.5	3.3	635	1	US-07-985-691-2	Sequence 2, Appli	1398	83	3.3	225	2	US-08-738-462-2	Sequence 2, Appli
1326	84.5	3.3	635	1	US-08-436-804-2	Sequence 2, Appli	1399	83	3.3	225	5	PCT-US94-07587-2	Sequence 2, Appli
1327	84.5	3.3	635	1	US-08-267-387-2	Sequence 2, Appli	1400	83	3.3	267	4	US-08-450-482B-111	Sequence 111, App
1328	84.5	3.3	652	6	5258288-4	Patent No. 5258288	1401	83	3.3	270	4	US-08-450-482B-109	Sequence 109, App
1329	84.5	3.3	652	6	5258288-4	Patent No. 5258288	1402	83	3.3	498	2	US-08-660-963-12	Sequence 12, Appli
1330	84.5	3.3	676	1	US-08-282-141-4	Sequence 4, Appli	1403	83	3.3	814	3	US-09-813-819-4	Sequence 4, Appli
1331	84.5	3.3	676	1	US-08-435-434-3	Sequence 3, Appli	1404	83	3.3	814	3	US-09-920-048-4	Sequence 4, Appli
1332	84.5	3.3	676	1	US-08-435-436-3	Sequence 3, Appli	1405	83	3.3	814	4	US-10-014-501-4	Sequence 4, Appli
1333	84.5	3.3	676	2	US-08-438-863-3	Sequence 3, Appli	1406	83	3.3	855	3	US-09-813-819-2	Sequence 2, Appli
1334	84.5	3.3	676	2	US-08-438-864-3	Sequence 3, Appli	1407	83	3.3	855	3	US-09-920-048-2	Sequence 2, Appli
1335	84.5	3.3	676	3	US-08-438-862-3	Sequence 3, Appli	1408	83	3.3	855	4	US-10-014-501-2	Sequence 2, Appli
1336	84.5	3.3	676	3	US-08-628-747-3	Sequence 3, Appli	1409	83	3.3	1342	2	US-08-484-438-9	Sequence 9, Appli
1337	84.5	3.3	676	3	US-08-402-253-3	Sequence 3, Appli	1410	83	3.3	1615	4	US-09-544-398B-3	Sequence 3, Appli
1338	84.5	3.3	676	3	US-08-443-866B-3	Sequence 3, Appli	1411	83	3.3	1615	4	US-09-543-398B-4	Sequence 4, Appli
1339	84.5	3.3	760	4	US-09-589-892B-11	Sequence 11, Appli	1412	83	3.3	1615	4	US-09-543-771B-3	Sequence 3, Appli
1340	84.5	3.3	858	3	US-07-956-483-17	Sequence 17, Appli	1413	83	3.3	1615	4	US-09-543-771B-4	Sequence 4, Appli
1341	84.5	3.3	884	6	5208144-8	Patent No. 5208144	1414	83	3.3	2867	4	US-09-902-540-12593	Sequence 12593, A

Db 241 RLNI STCHCHCPGGTGYCVRCSLCQVHGRFREECSCVCDIGYGACATKVHPFFH 300
Qy 301 TCDLRIDGCFWVSSEADTYTARKKCKQKGGVLAQIKSQKQVODILAFYLRLETTNEVT 360
Db 301 TCDLRIDGCFWVSSEADTYTARKKCKQKGGVLAQIKSQKQVODILAFYLRLETTNEVT 360
Qy 361 DSDPFRNFVIGLTYKTAKDSFRWATGHEQAFTSFAFGOPDNHGLVWL SAAMGFNCVEL 420
Db 361 DSDPFRNFVIGLTYKTAKDSFRWATGHEQAFTSFAFGOPDNHGLVWL SAAMGFNCVEL 420
Qy 421 QASAFNNDQCKTRNRYICQFAQEHISRMWPGS 455
Db 421 QASAFNNDQCKTRNRYICQFAQEHISRMWPGS 455

RESULT 2

US-09-944-457-50
Sequence 50, Application US/09944457

Patent No. 6734288

GENERAL INFORMATION:

APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul
APPLICANT: Grimaldi, Christopher
APPLICANT: Gurney, Austin
APPLICANT: Hillan, Kenneth
APPLICANT: Kljavin, Ivar
APPLICANT: Napier, Mary
APPLICANT: Roy, Margaret
APPLICANT: Tumas, Daniel
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
ACIDS ENCODING THE SAME

FILE REFERENCE: P2548PICI
CURRENT APPLICATION NUMBER: US/09/944,457

CURRENT FILING DATE: 2001-09-26

PRIOR APPLICATION NUMBER: 09/866,028

PRIOR FILING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: 60/067,411

PRIOR FILING DATE: December 3, 1997

PRIOR APPLICATION NUMBER: 60/069,334

PRIOR FILING DATE: December 11, 1997

PRIOR APPLICATION NUMBER: 60/069,335

PRIOR FILING DATE: December 11, 1997

PRIOR APPLICATION NUMBER: 60/069,278

PRIOR FILING DATE: December 11, 1997

PRIOR APPLICATION NUMBER: 60/069,425

PRIOR FILING DATE: December 12, 1997

PRIOR APPLICATION NUMBER: 60/069,696

PRIOR FILING DATE: December 16, 1997

PRIOR APPLICATION NUMBER: 60/069,694

PRIOR FILING DATE: December 16, 1997

PRIOR APPLICATION NUMBER: 60/069,702

PRIOR FILING DATE: December 16, 1997

PRIOR APPLICATION NUMBER: 60/069,870

PRIOR FILING DATE: December 17, 1997

PRIOR APPLICATION NUMBER: 60/069,873

PRIOR FILING DATE: December 17, 1997

PRIOR APPLICATION NUMBER: 60/068,017

PRIOR FILING DATE: December 18, 1997

PRIOR APPLICATION NUMBER: 60/070,440

PRIOR FILING DATE: January 5, 1998

PRIOR APPLICATION NUMBER: 60/074,086

PRIOR FILING DATE: February 9, 1998

PRIOR APPLICATION NUMBER: 60/074,092

PRIOR FILING DATE: February 9, 1998

PRIOR APPLICATION NUMBER: 60/075,945

PRIOR FILING DATE: February 25, 1998
PRIOR APPLICATION NUMBER: 60/112,850
PRIOR FILING DATE: December 16, 1998
PRIOR APPLICATION NUMBER: 60/113,296
PRIOR FILING DATE: December 22, 1998
PRIOR APPLICATION NUMBER: 60/146,222
PRIOR FILING DATE: July 28, 1999
PRIOR APPLICATION NUMBER: PCT/US98/19330
PRIOR FILING DATE: September 15, 1998
PRIOR APPLICATION NUMBER: PCT/US98/25108
PRIOR FILING DATE: December 1, 1998
PRIOR APPLICATION NUMBER: 09/216,021
PRIOR FILING DATE: December 16, 1998
PRIOR APPLICATION NUMBER: 09/218,517
PRIOR FILING DATE: December 22, 1998
PRIOR APPLICATION NUMBER: 09/254,311
PRIOR FILING DATE: March 3, 1999
PRIOR APPLICATION NUMBER: PCT/US99/12252
PRIOR FILING DATE: June 22, 1999
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: September 15, 1999
PRIOR APPLICATION NUMBER: PCT/US99/28409
PRIOR FILING DATE: No. 6734288ember 30, 1999
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: No. 6734288ember 30, 1999
PRIOR APPLICATION NUMBER: PCT/US99/28301
PRIOR FILING DATE: December 1, 1999
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: December 16, 1999
PRIOR APPLICATION NUMBER: PCT/US00/03565
PRIOR FILING DATE: February 11, 2000
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: February 22, 2000
PRIOR APPLICATION NUMBER: PCT/US00/05841
PRIOR FILING DATE: March 2, 2000
PRIOR APPLICATION NUMBER: PCT/US00/08439
PRIOR FILING DATE: March 30, 2000
PRIOR APPLICATION NUMBER: PCT/US00/14042
PRIOR FILING DATE: May 22, 2000
PRIOR APPLICATION NUMBER: PCT/US00/20710
PRIOR FILING DATE: July 28, 2000
PRIOR APPLICATION NUMBER: PCT/US00/32678
PRIOR FILING DATE: December 1, 2000
PRIOR APPLICATION NUMBER: PCT/US01/06520
PRIOR FILING DATE: February 28, 2001
NUMBER OF SEQ ID NOS: 120
SEQ ID NO 50
LENGTH: 455
TYPE: PRT
ORGANISM: Homo Sapien
US-09-944-457-50

Query Match 100.0%; Score 2529; DB 4; Length 455;

Best Local Similarity 100.0%; Pred. No. 1.3e-218;

Matches 455; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLHPETSPGRGHLLAVLLALGTTTAEVWPQLOEQAPMAGALNRKESFLLLSLHNRLS 60

Db 1 MLHPETSPGRGHLLAVLLALGTTTAEVWPQLOEQAPMAGALNRKESFLLLSLHNRLS 60

Qy 61 WVQPPADMRDLWSDSLAQLAARALCGIPTPSLASGLWRTIQVGNMQLLPAGLASF 120

Db 61 WVQPPADMRDLWSDSLAQLAARALCGIPTPSLASGLWRTIQVGNMQLLPAGLASF 120

Qy 121 VEVVSLWFAEGQRYSHAAGECARNATCTHTYTLVWATSSQLGCGRHLCGAGQTAEAFVC 180

Db 121 VEVVSLWFAEGQRYSHAAGECARNATCTHTYTLVWATSSQLGCGRHLCGAGQTAEAFVC 180

Qy 181 AYSFGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNFCRMSQNHG 240

Db 181 AYSFGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNFCRMSQNHG 240

Qy 241 RLNI STCHCHCPGGTGYCVRCSLCQVHGRFREECSCVCDIGYGACATKVHPFFH 300